ISSN 0429-9329

1984-1993

# AQUACULTURE PRODUCTION STATISTICS
# STATISTIQUES DE LA PRODUCTION DE L'AQUACULTURE
# ESTADISTICAS DE LA PRODUCCION DE ACUICULTURA

Food and Agriculture Organization of the United Nations

Organisation des Nations Unies pour l'alimentation et l'agriculture

Organización de las Naciones Unidas para la Agricultura y la Alimentación

FAO FIAT PANIS 1945-1995

FAO Fisheries Circular No. 815, Revision 7
FAO, Circulaire sur les pêches N° 815, Révision 7
FAO, Circular de Pesca N° 815, Revisión 7

FIDI/C815 (Rev. 7)

ISSN 0429-9329

# AQUACULTURE PRODUCTION STATISTICS
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# ESTADISTICAS DE LA PRODUCCION DE ACUICULTURA

## 1984-1993

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Fishery Information, Data and Statistics Service
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*Préparé par*
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*Preparada por*
Servicio de Información, Datos y Estadísticas de Pesca
Departamento de Pesca, FAO

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS**
**ORGANISATION DES NATIONS UNIES POUR L'ALIMENTATION ET L'AGRICULTURE**
**ORGANIZACION DE LAS NACIONES UNIDAS PARA LA AGRICULTURA Y LA ALIMENTACION**
**Rome, Roma, 1995**

FAO Fishery Information, Data and Statistics Service/Service de l'information, des données et des statistiques sur la pêche/Servicio de Información, Datos y Estadísticas de Pesca.
**Aquaculture production statistics 1984-1993.**
**Statistiques de la production de l'aquaculture 1984-1993.**
**Estadísticas de la producción de acuicultura 1984-1993.**
FAO Fisheries Circular/FAO Circulaire sur les pêches/FAO Circular de Pesca. No. 815, Rev.7.
Rome, FAO. 1995. 186p.

**ABSTRACT**

This publication is a compilation of aquaculture production statistics for fish, crustaceans, molluscs and other aquatic animals, residues and plants. The following combinations of production statistics are presented: by species and by country; by country and by species, and by species and by environment. Values of production expressed in terms of US dollars are provided by country, species and species group, thus providing more detail than previous issues of Fisheries Circular No. 815. A number of charts facilitate the interpretation of the data. The statistics are for all years for which they have been collated by FAO (1984-1993). Where officially-reported national statistics are lacking or are considered unreliable, FAO makes estimates based on the best information available. Quantities produced are expressed as live weight equivalents and so are equivalent to the nominal catch statistics published in the *FAO Yearbook of Fishery Statistics - Catches and Landings*.

**RESUME**

La présente publication est une compilation de statistiques sur la production de l'aquaculture en poissons, crustacés, mollusques et autres animaux aquatiques et en résidus et plantes aquatiques. Ces statistiques sont données d'après la production des espèces par pays, des pays par espèces, et des espèces selon le type d'environnement. Les valeurs de production, exprimées en dollars E.-U., sont fournies par pays, espèces et groupes d'espèces, et sont donc plus détaillées que dans les précédents numéros de la Circulaire sur la pêche, N° 815. Des graphiques sont pourvus pour faciliter l'interprétation des données. Des statistiques sont fournies pour toutes les années où elles ont été collationnées par la FAO (1984-1993). En l'absence de statistiques nationales officielles ou lorsque celles-ci sont considérées comme peu fiables, la FAO procède à des estimations fondées sur les meilleures informations disponibles. Les quantités produites sont exprimées en équivalent poids vis et par conséquent dans des unités correspondant aux statistiques sur les captures nominales publiées dans l'*Annuaire FAO - Statistiques des pêches - captures et quantités débarquées*.

**RESUMEN**

Esta publicación es una compilación de las estadísticas de la producción de acuicultura de peces, crustáceos, moluscos y otros animales, plantas y residuos acuáticos. Los datos de producción que figuran en esta publicación se presentan por: especies y países, países y especies, y especies por tipo de ambiente. Los valores de la producción, expresados en dólares de los Estados Unidos, se indican por países, especies y grupos de especies, con lo que se ofrecen más detalles que en ediciones anteriores de la Circular de Pesca nº 815. Gráficos son proporcionados para facilitar la interpretación de los datos. Se facilitan estadísticas de todos los años para los cuales la FAO las ha compilado (1984-1993). En los casos en que se carece de estadísticas nacionales notificadas oficialmente o las disponibles se consideran poco fiables, la FAO hace estimaciones basadas en la mejor información disponible. Las cantidades producidas se expresan en equivalente de peso en vivo y, por lo tanto, en unidades equivalentes a las estadísticas de capturas nominales publicadas en el *Anuario FAO de Estadísticas de Pesca - Capturas y Desembarques*.

## PREPARATION OF THIS DOCUMENT

The information in this Circular is that given in FIDI/C815 Rev.6, issued in July 1994, and includes revisions to data for the years 1984-93. The data are basically those collected by the FISHSTAT AQ enquiry begun in 1984, and which is now a regular feature of the FAO annual statistical survey of world fishery activities. Data from this enquiry have been supplemented by information from other sources, including academic reviews, consultants' reports, and other specialist literature. Since the collection and analysis of these data is still at an early stage, it is clear that many improvements can be made, series can be completed, species can be better identified and production from sources which are not aquaculture in sensu strictu can be eliminated.

For the purposes of this enquiry aquaculture has been defined as:

"Aquaculture is the farming of aquatic organisms, including fish, molluscs, crustaceans and aquatic plants. Farming implies some form of intervention in the rearing process to enhance production, such as regular stocking, feeding, protection from predators, etc. Farming also implies individual or corporate ownership of the stock being cultivated. For statistical purposes, aquatic organisms which are harvested by an individual or corporate body which has owned them throughout their rearing period contribute to aquaculture, while aquatic organisms which are exploitable by the public as a common property resource, with or without appropriate licences, are the harvest of fisheries."

This definition has been made as far as possible on the basis of common usage and closely parallels the practical distinction made between hunting and gathering on the one hand, and agriculture on the other. However, some grey areas remain and the definition between fishing and aquaculture will be sharpened as knowledge of aquaculture practices is improved.

For the presentation in the tables of totals across species, two groups of species are distinguished. The first, entitled "Fish and Shellfish", includes all fishes, crustaceans, molluscs, frogs and other amphibians, turtles, sea-squirts and other tunicates, horseshoe crabs and other arachnoids, sea urchins and other echinoderms, and miscellaneous aquatic invertebrates. This total, which corresponds to the classification included in national, regional and continental totals presented in the *FAO Yearbook of Fishery Statistics: Catches and Landings* Vol.76, includes most aquaculture production destined for human consumption, although the total in live weight does not represent the quantity consumed because of losses due to non-consumed parts (e.g. shells). The second total, entitled "All Aquatic Organisms", includes species in the first total and also crocodiles and alligators, pearls, mother-of-pearl, shells, corals, sponges and aquatic plants. The difference between these two totals is in some tables referred to as "Other aquatic organisms" and represents aquaculture production which is generally not destined for human consumption.

Many corrections have already been made to the original data published in January 1989, but it is hoped to incorporate further improvements in future revisions of this Circular. A special note is in order concerning value data (based on farm gate prices) which in many cases have not been supplied by countries and standardized indicative figures have been used. In particular, difficulty has been experienced where unstable currencies produce highly fluctuating dollar values. In these circumstances indicative dollar prices (and in the case of Africa CFA prices) have been assigned to the species produced to calculate values.

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## PREPARATION DU DOCUMENT

Les informations contenues dans la présente circulaire sont celles qui étaient données dans la circulaire FIDI/C815 Rév.6 publiée en juillet 1994 et incluent aussi les révisions pour les années 1984-93. Les données sont fondamentalement celles qui ont été recueillies au cours de l'enquête FISHSTAT AQ qui a commencé en 1984, et qui fait maintenant partie de l'étude statistique annuelle de la FAO sur les pêches mondiales. Les données de cette enquête ont été complétées par d'autres renseignements, provenant notamment d'études théoriques, de rapports de consultants et d'autres types de documentation spécialisée. Etant donné que l'on vient à peine de commencer à rassembler et à analyser ces données, de nombreuses améliorations peuvent être apportées, les séries peuvent être complétées, les espèces peuvent être mieux identifiées et les produits qui ne proviennent pas de l'aquaculture au sens strict peuvent être éliminés.

Aux fins de l'enquête, l'aquaculture est définie comme suit:

"L'aquaculture consiste dans l'élevage d'organismes aquatiques, y compris poissons, mollusques, crustacés et plantes aquatiques. L'élevage implique une quelconque forme d'intervention dans le processus d'augmentation de la production, telle que la mise en charge régulière, l'alimentation, la protection contre les prédateurs, etc. L'élevage implique également la propriété individuelle ou juridique du stock en élevage. Du point de vue des statistiques, les organismes aquatiques récoltés par un individu ou une personne juridique les ayant eus en propriété tout au long de leur période d'élevage sont donc des produits de l'aquaculture. Par contre, les organismes aquatiques exploitables publiquement en tant que ressource de propriété commune, avec ou sans licences appropriées, sont à considérer comme des produits de la pêche."

Cette définition suit autant que possible l'usage commun et la distinction pratique faite entre, d'une part, la chasse et la cueillette et, d'autre part, l'agriculture. Toutefois, il reste des zones floues et la distinction entre pêche et aquaculture sera précisée à mesure que l'on connaîtra mieux les pratiques aquacoles.

Aux fins de présentation dans les tableaux où sont indiqués les totaux pour l'ensemble des espèces, on distingue deux groupes d'espèces. Le premier, intitulé "Poissons et fruits de mer", englobe tous les poissons, crustacés, mollusques, grenouilles et autres amphibies, tortues, ascidiens et autres tuniciers, limules et autres arachnoïdés, oursins et autres échinodermes, ainsi que divers invertébrés aquatiques. Ce total, qui correspond à la classification figurant dans les totaux à l'échelle nationale, régionale et continentale présentés dans l'Annuaire FAO des statistiques des pêches : Captures et quantités débarquées (Vol. 76), comprend la plus grande partie de la production de l'aquaculture destinée à la consommation humaine, bien que le total en poids vif ne représente pas la quantité consomée en raison des pertes dues aux parties non consommées (par exemple, coquilles). Le second groupe, intitulé "Ensemble des organismes aquatiques", englobe les espèces comprises dans le premier total ainsi que les crocodiles et alligators, les perles, nacres, coquilles, coraux, éponges et plantes aquatiques. Le différence entre ces deux totaux est, dans certain tableaux, indiquée sous la rubrique "Autres organismes aquatiques" et représente la production de l'aquaculture qui n'est généralement pas destinée à la consommation humaine.

De nombreuses corrections ont déjà été apportées aux données initiales publiées en janvier 1989, mais on espère apporter d'autres améliorations lors de révisions futures de cette circulaire. Une note spéciale a été établie concernant les données sur la valeur des produits (sur la base des prix à l'exploitation), qui dans de nombreux cas n'ont pas été fournies par les pays; des chiffres indicatifs normalisés ont alors été utilisés. Des problèmes se sont posés en particulier lorsque l'instabilité des monnaies a entraîné d'amples fluctuations des valeurs en dollars. En pareil cas, des prix indicatifs en dollars (ou, pour l'Afrique, en francs CFA) ont été attribués aux espèces produites pour calculer les valeurs.

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## PREPARACION DEL PRESENTE DOCUMENTO

La información que aparece en la presente Circular es la consignada en la Circular FIDI/C815 Rev.6, publicada en julio de 1994, y incluye las revisiones a los datos de los años 1984-93. Los datos son básicamente los recogidos en el estudio FISHSTAT AQ iniciado en 1984, que ahora forma parte habitual del estudio estadístico anual de la FAO sobre la actividad pesquera mundial. Los datos procedentes de dicha investigación se han completado con informaciones procedentes de otras fuentes, como estudios de carácter académico, informes de consultores y otras obras especializadas. Como la recopilación y análisis de estos datos está todavía en una fase inicial, es evidente que cabe la posibilidad de introducir numerosas mejoras, completar las series, identificar mejor las especies y eliminar fuentes distintas de la acuicultura propiamente dicha.

A efectos del presente estudio por acuicultura se entiende:

"La acuicultura es el cultivo de organismos acuáticos, incluyendo peces, moluscos, crustáceos y plantas acuáticas. La actividad de cultivo implica la intervención del hombre en el proceso de cría para aumentar la producción, en operaciones como la siembra, la alimentación, la protección de los depredatores, etc. La actividad de cultivo también presupone que los individuos o asociaciones que la ejercen son propietarios de la población bajo cultivo. Para propósitos estadísticos, se admite que una determinada producción de organismos acuáticos constituye una contribución a la acuicultura, cuando estos son cosechados por individuos o asociaciones que han sido sus propietarios durante el periodo de cría. Se dice, por otra parte, que una cosecha es el resultado de la actividad pesquera cuando los organismos acuáticos, en su condición de bién común, pueden ser explotados por cualquiera con o sin la respectiva licencia."

La definición responde en la medida de lo posible, al sentido dado habitualmente a esta palabra y recuerda la distinción práctica establecida entre caza y recolección, por una parte, y agricultura, por la otra. Sin embargo, quedan algunas zonas oscuras y la distinción entre pesca y acuicultura seguirá aclarándose en la medida en que mejore el conocimiento de las prácticas de la acuicultura.

En los cuadros donde se presentan las cifras totales del conjunto de especies, se distinguen dos grupos. El primero, llamado "Peces y mariscos", comprende todos los peces, crustáceos, moluscos, ranas y otros anfibios, tortugas, ascidias y otros tunicados, límulos y otros arácnidos, erizos de mar y otros equinodermos e invertebrados acuáticos diversos. En esta cifra total, que corresponde a la clasificación incluida en las cifras totales nacionales, regionales y continentales presentadas en el *Anuario de la FAO de estadísticas de pesca: capturas y desembarques,* Vol. 76, se incluye la mayor parte de la producción acuícola destinada al consumo humano, si bien la cifra total en peso en vivo no representa la cantidad consumida debido a las pérdidas de las partes que no se consumen (por ejemplo, los caparazones). El segundo, llamado "Todos los organismos acuáticos", comprende las especies del primer grupo y también cocodrilos y aligatores, perlas, madreperlas, conchas, corales, esponjas y plantas acuáticas. La diferencia entre estos dos grupos está en algunos cuadros que llevan por título "Otros organismos acuáticos", que representan la producción acuícola que generalmente no se destina al consumo humano.

Ya se han introducido numerosas correcciones en los datos originales publicados en enero de 1989, pero se espera incorporar ulteriores mejoras en futuras revisiones de la presente Circular. Se está preparando una nota especial relativa a los datos sobre valores (basados en los precios al productor), que en muchos casos no han sido suministrados por los países, y se han utilizado cifras indicativas estándar. En particular, se han encontrado dificultades en los casos en que las monedas inestables producen valores altamente fluctuantes del dólar. En estos casos, se han asignado precious indicativos en dólares (y en el caso de Africa precios en CFA) a las especies producidas a fin de calcular los valores respectivos.

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# Graphs

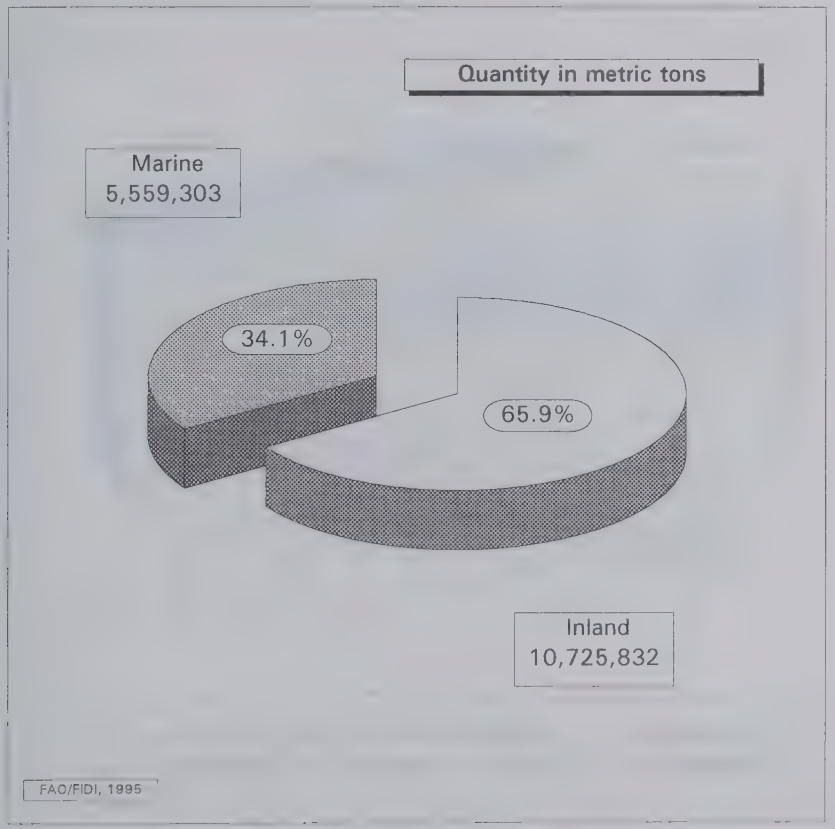
# Graphiques

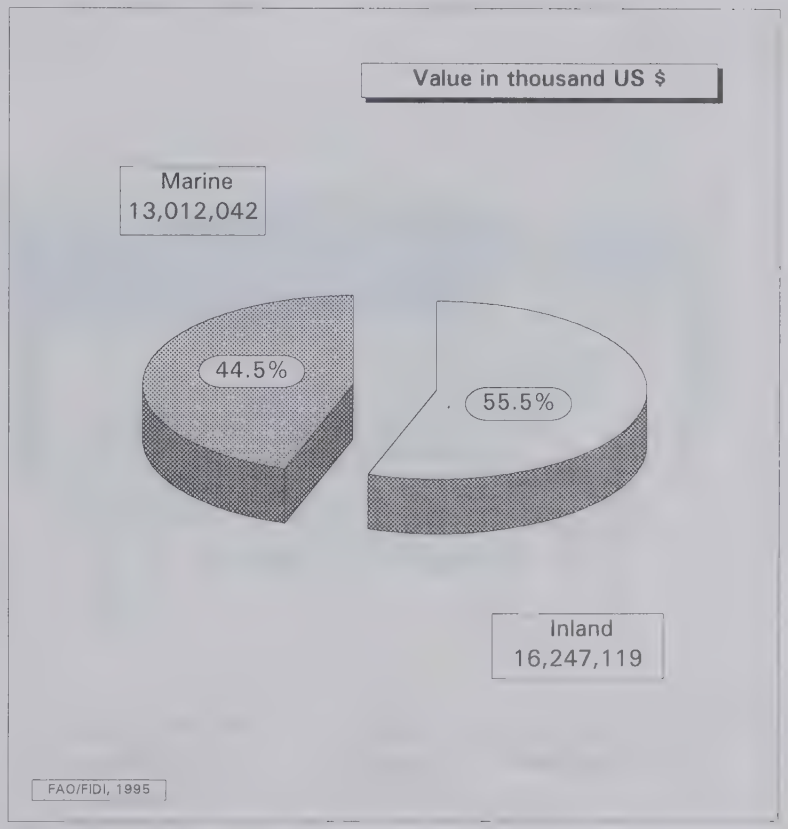
# Gráficos

**Note:** Graphs from page **ix** to **xv** exclude aquaculture production of aquatic plants.
**Note:** Les graphiques de la page **ix** à la page **xv** excluent la production de l'aquaculture des plantes aquatiques.
**Nota:** Los gráficos de la página **ix** a la página **xv** excluyen la producción de acuicultura de plantas acuáticas.

# 1993 World Aquaculture Production

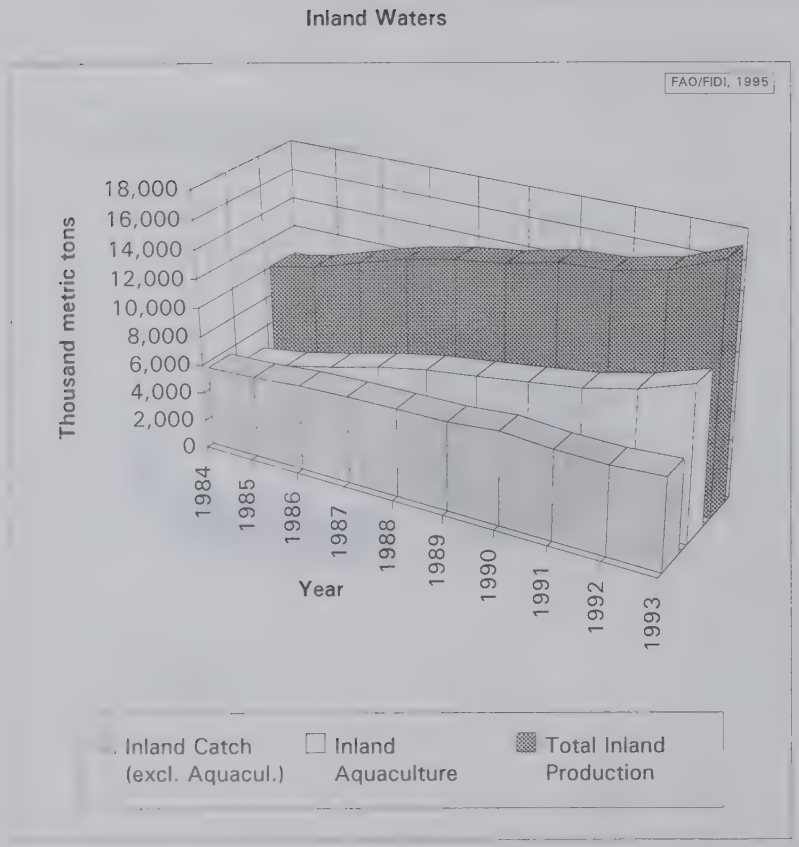
by Quantities and Values for Inland and Marine Waters

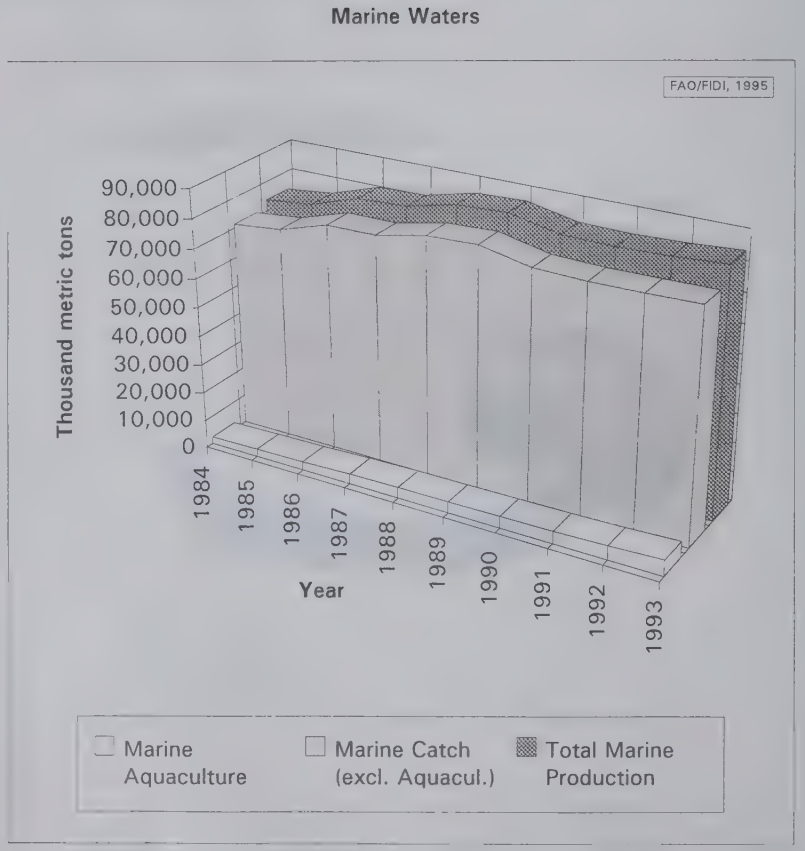


# World Aquaculture Production

by Inland and Marine Waters, 1984-1993

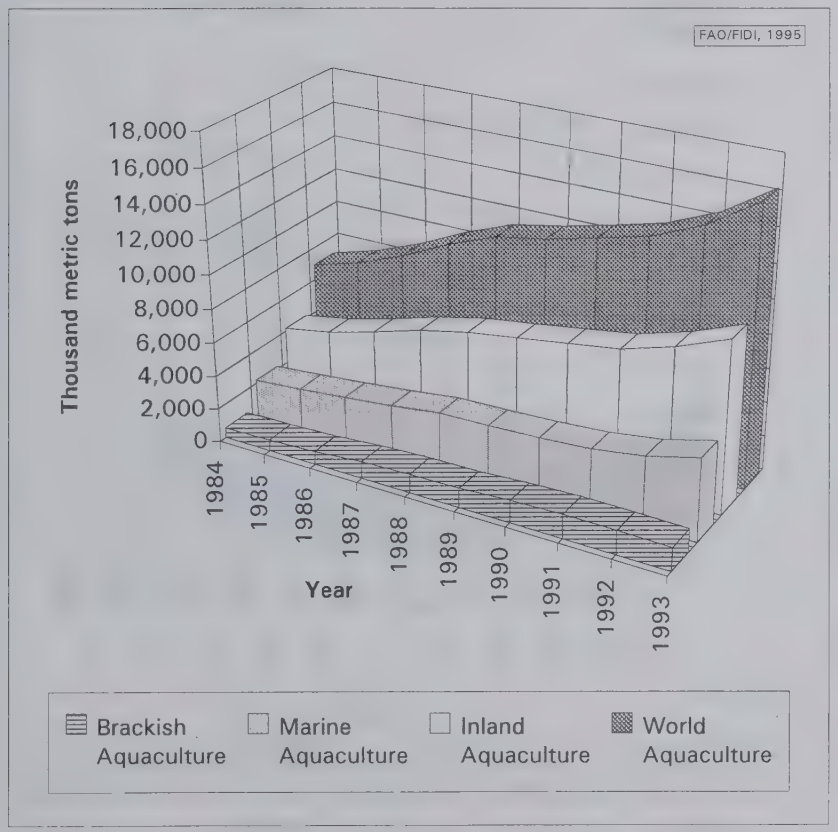


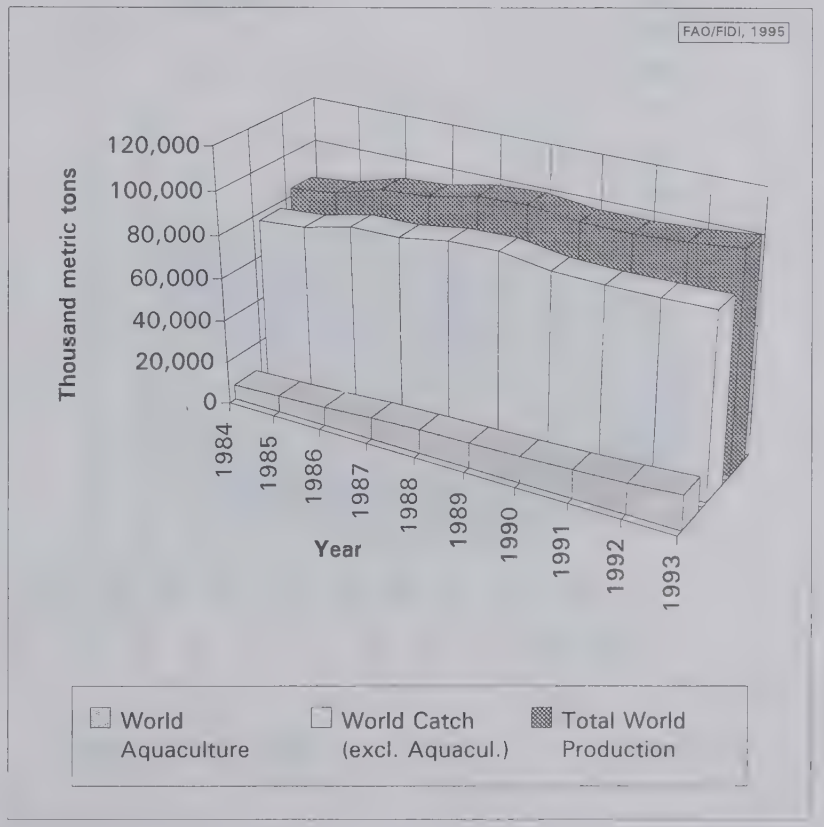
# World Aquaculture Production

by Environment and Comparison with Total Production, 1984-1993

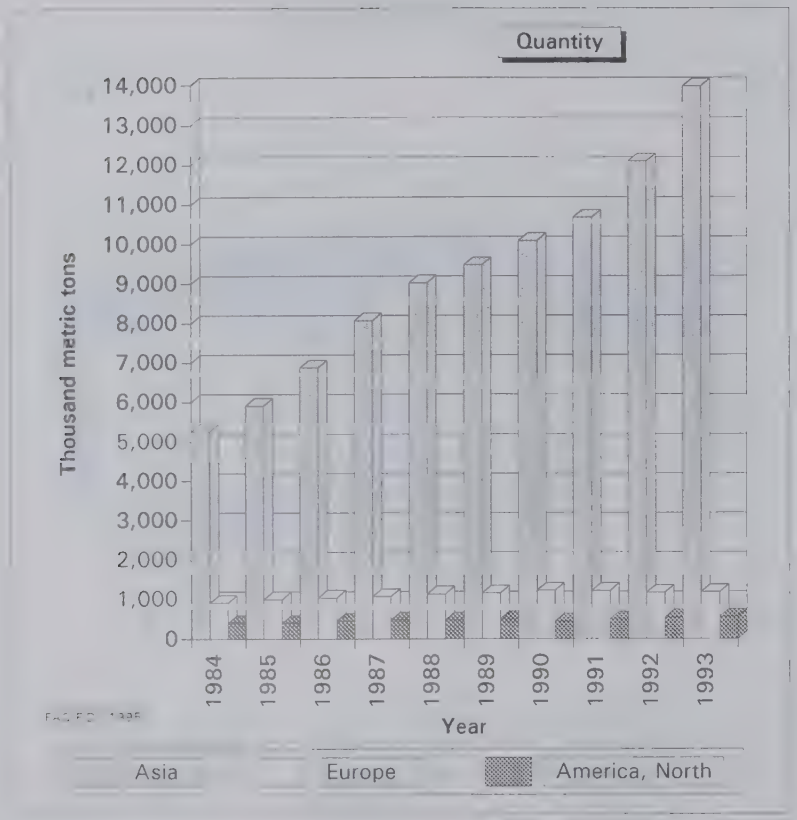
Aquaculture Production by Environment

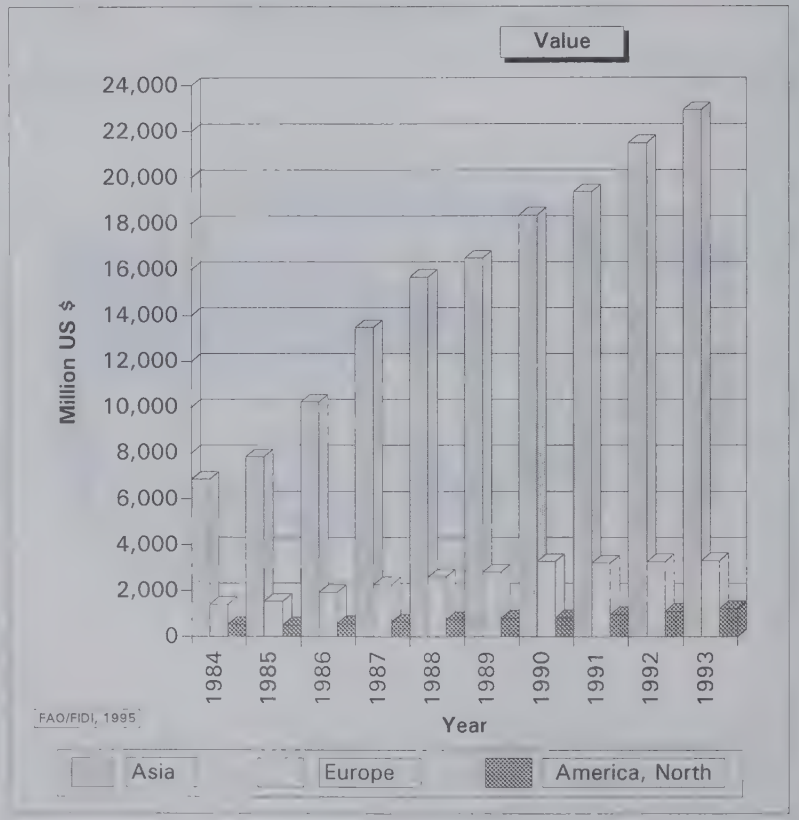



Aquaculture and Total Production



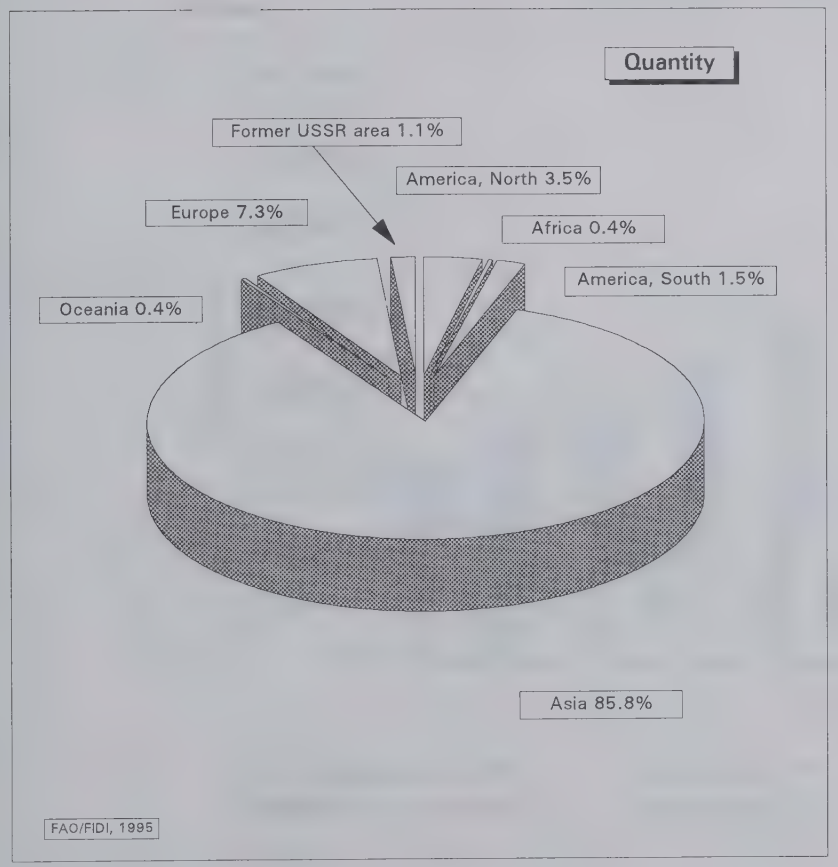
# Major Aquaculture Producing Continents, 1984-1993

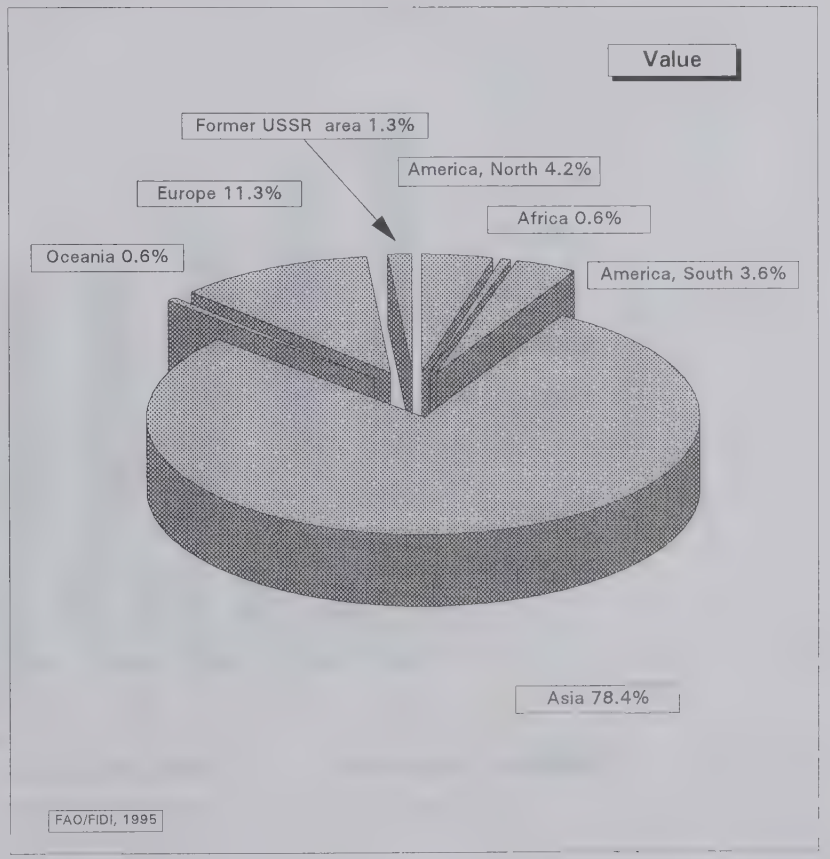



Continents listed are those with aquaculture production above 500,000 metric tons in 1993.

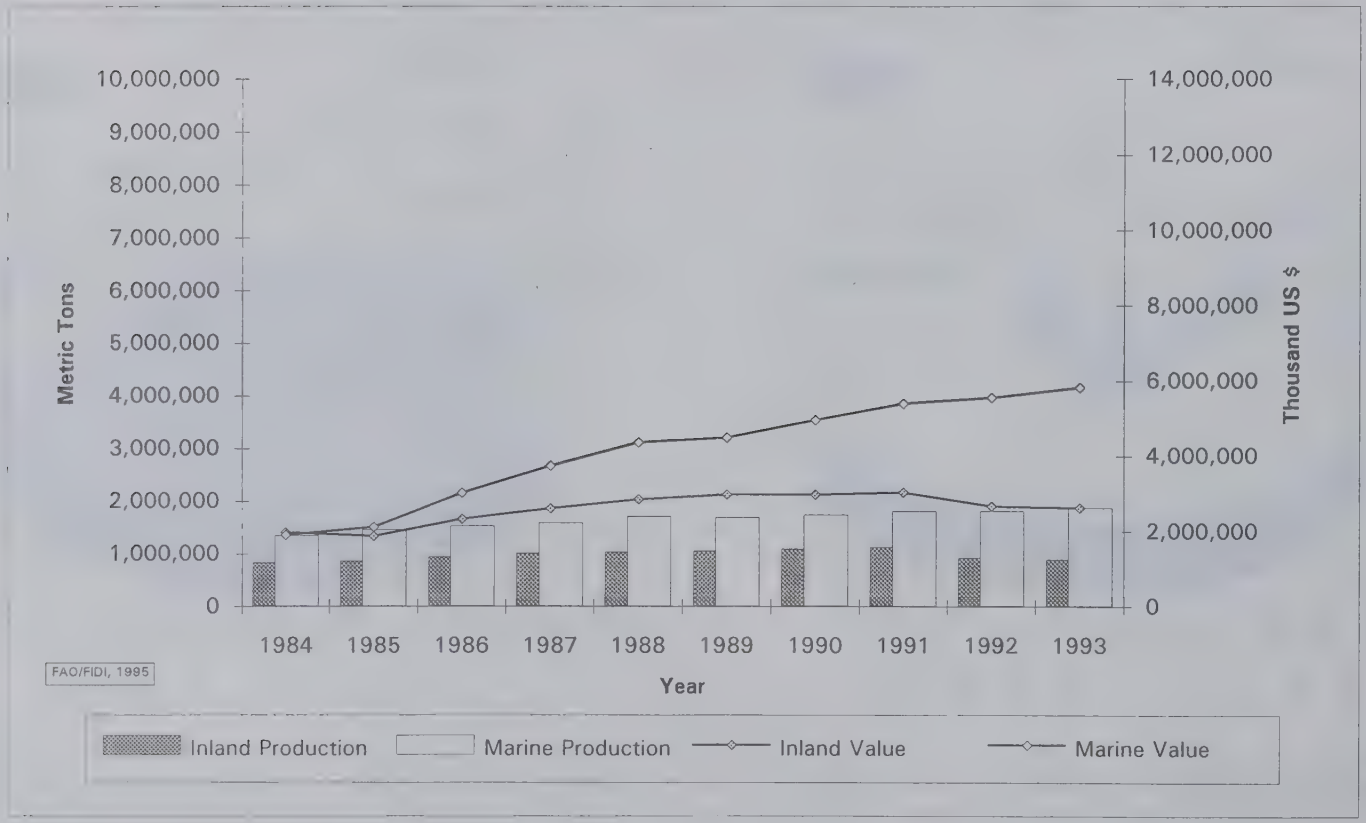
# 1993 Aquaculture Production by Continent



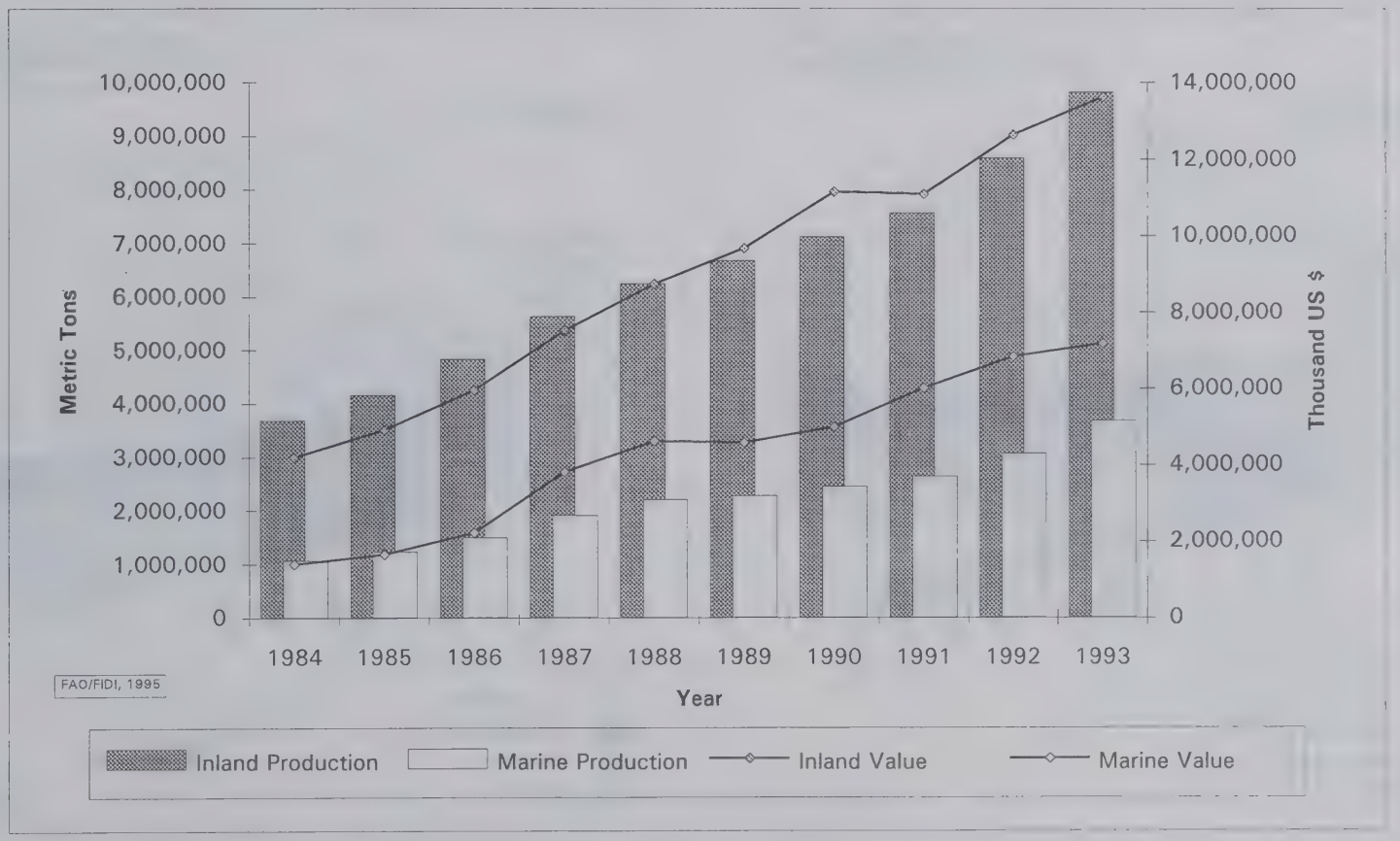
# Aquaculture Production by Developed Countries

by Inland/Marine Quantities and Values, 1984-1993



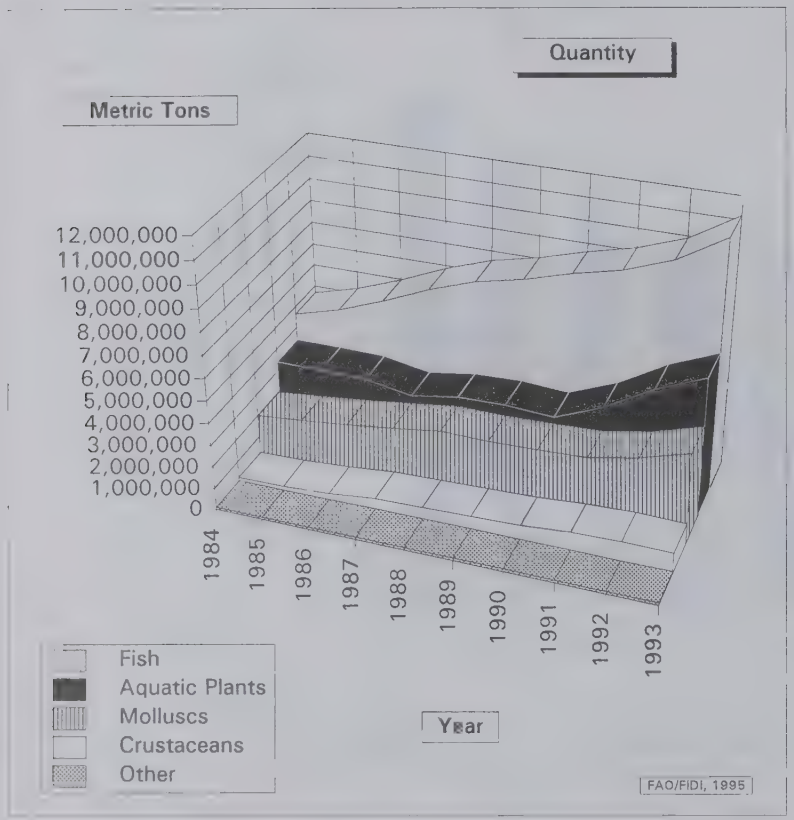
## Aquaculture Production by Developing Countries

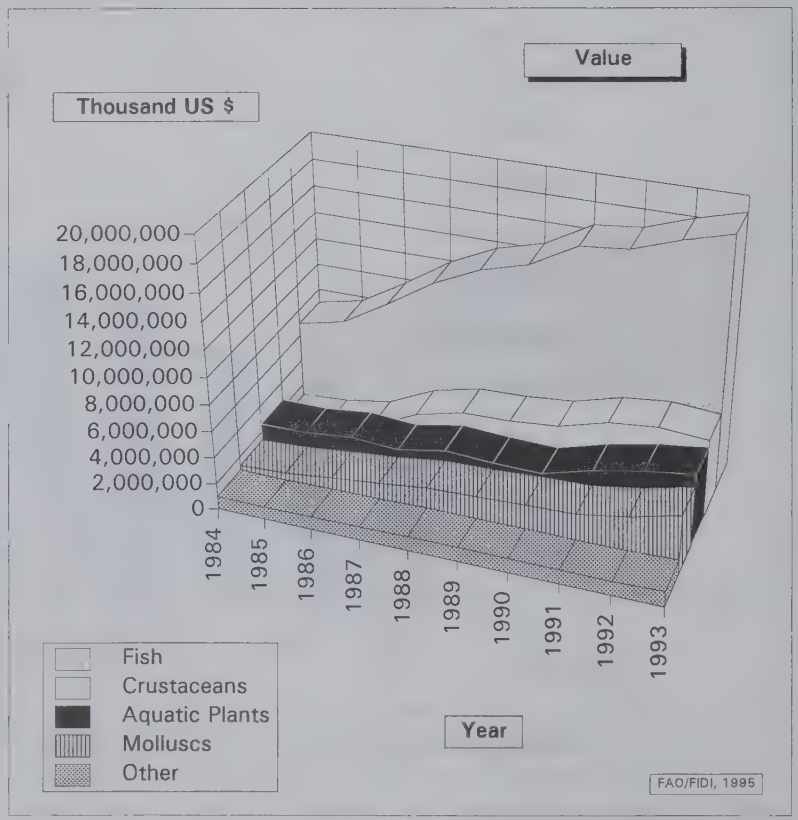
by Inland/Marine Quantities and Values, 1984-1993



# World Aquaculture Production by Categories of Species

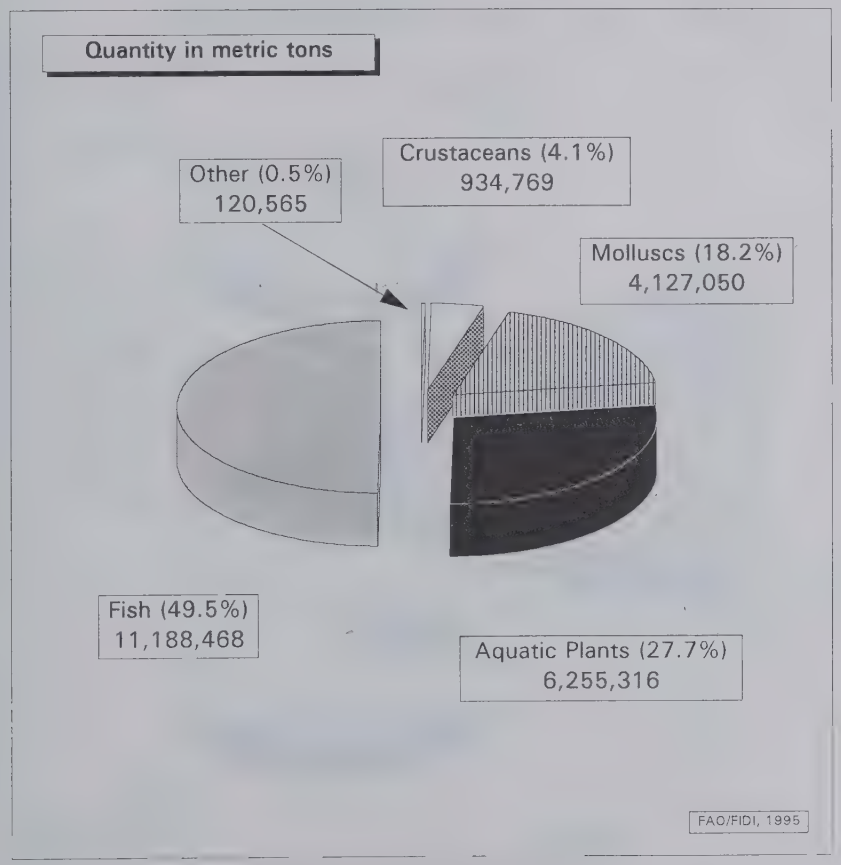
by Quantity and Value, 1984-1993

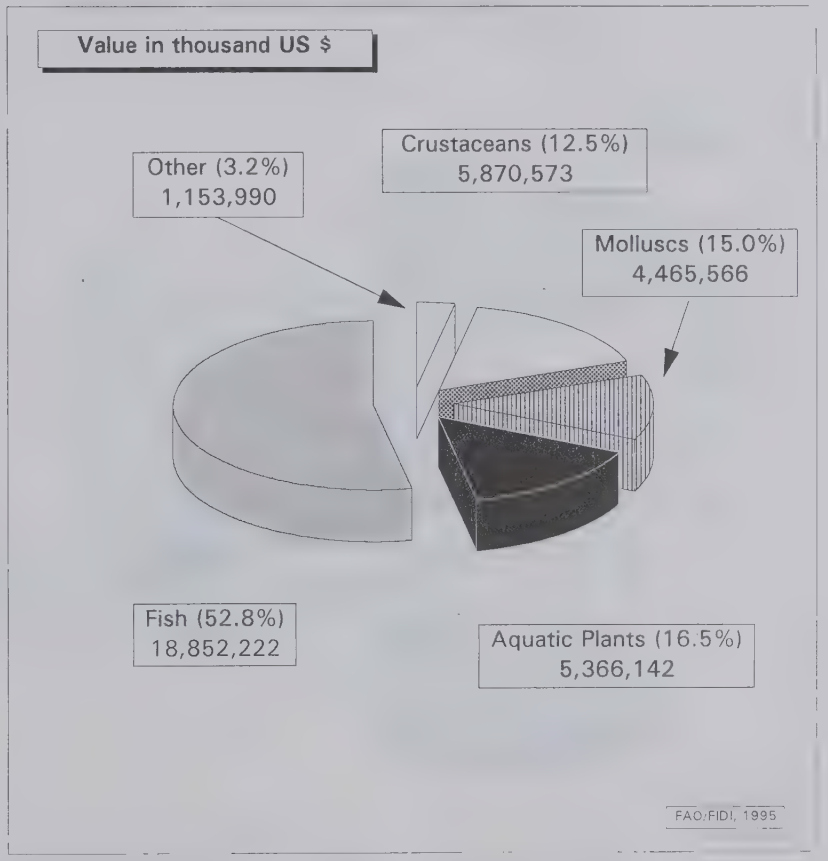


# 1993 World Aquaculture Production by Categories of Species

by Quantity and Value as Percentage of the Total

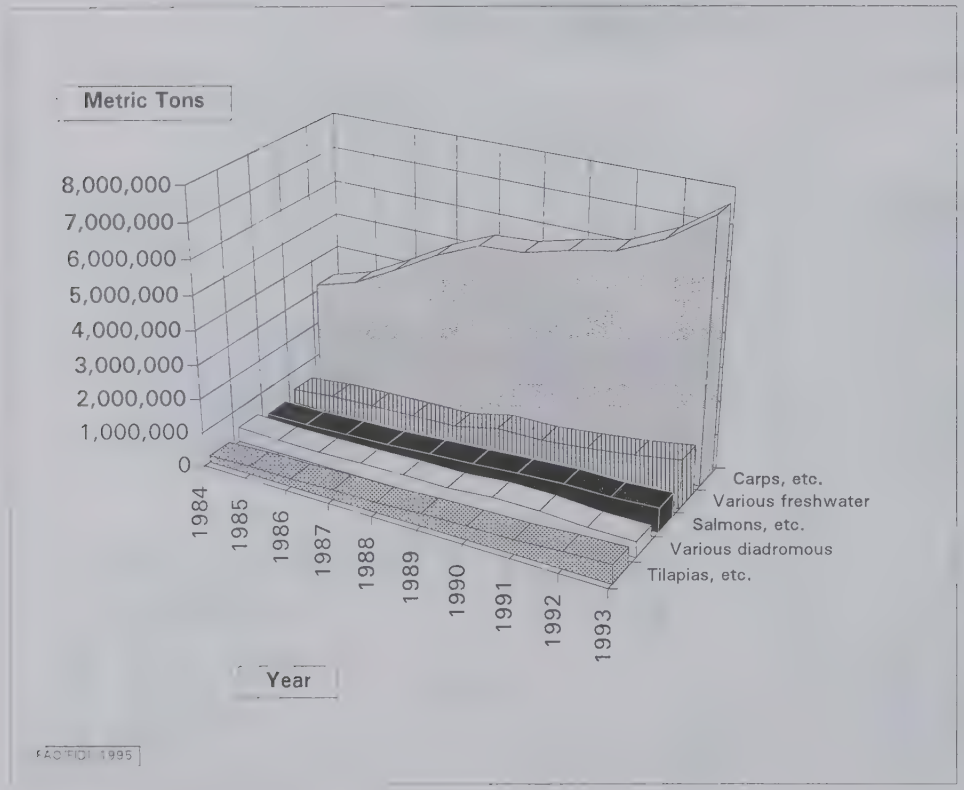


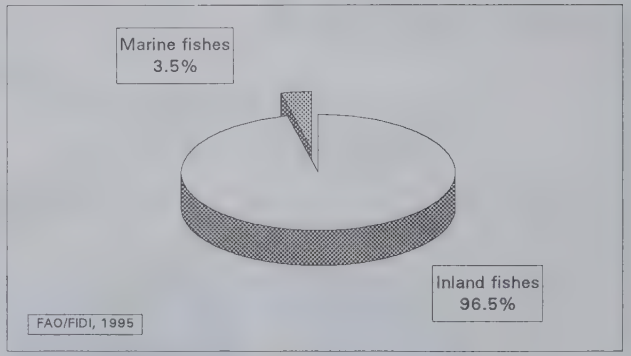
# Aquaculture Production of Fish

by Main Groups of Species, 1984-1993 and Comparison by Areas for Quantity and Value in 1993

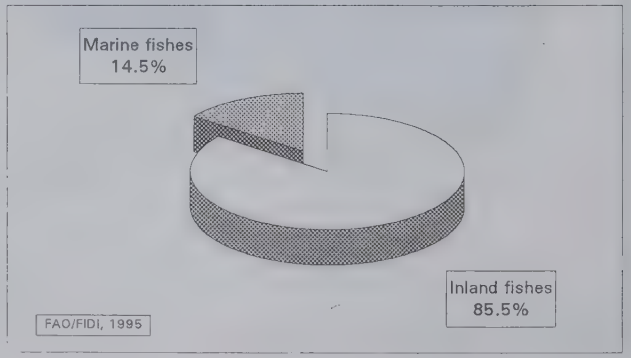
Fish: Main Groups of Species Production, 1984-1993




Quantity, 1993



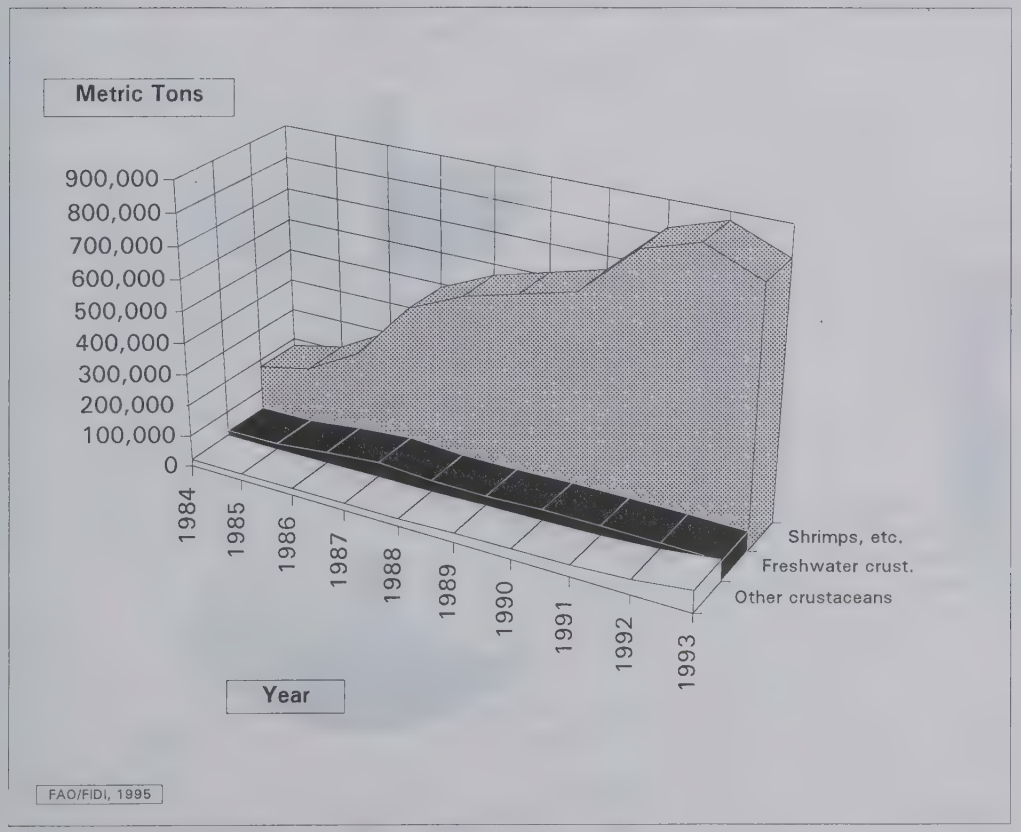

Value, 1993



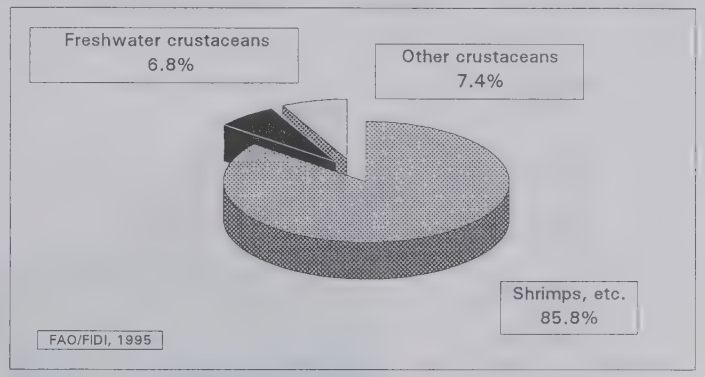
# Aquaculture Production of Crustaceans

by Groups of Species, 1984-1993 and Comparison for Quantity and Value in 1993

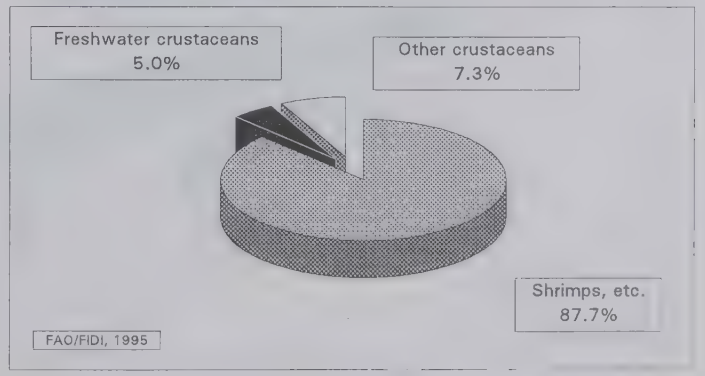
Crustaceans: Groups of Species Production, 1984-1993




Quantity, 1993



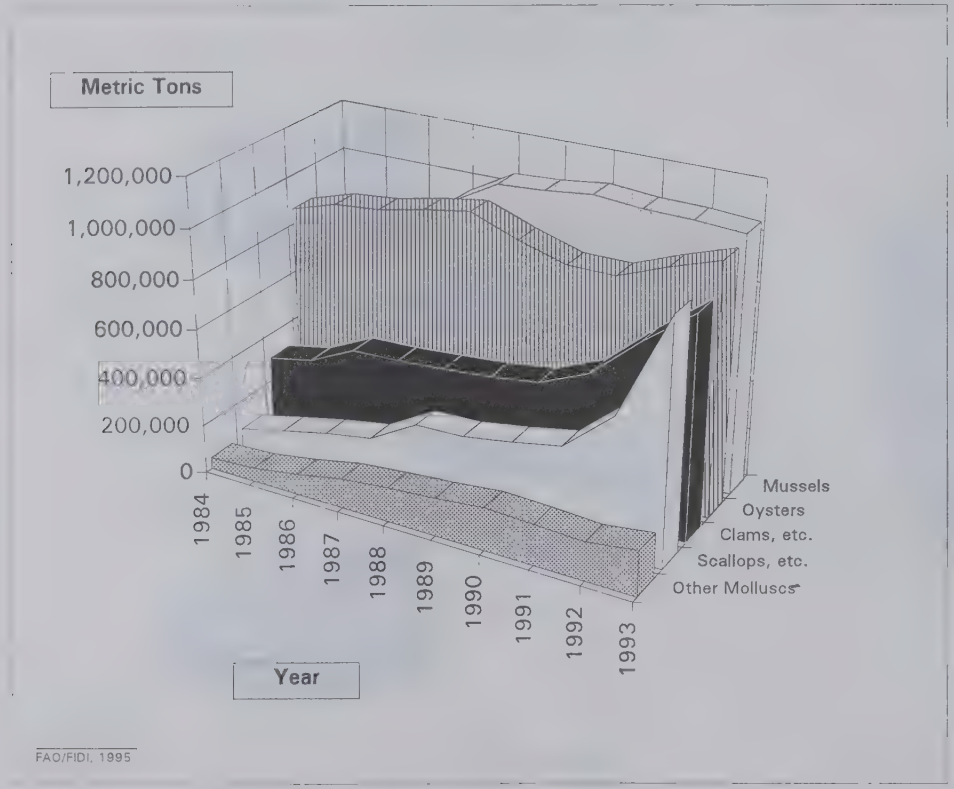

Value, 1993



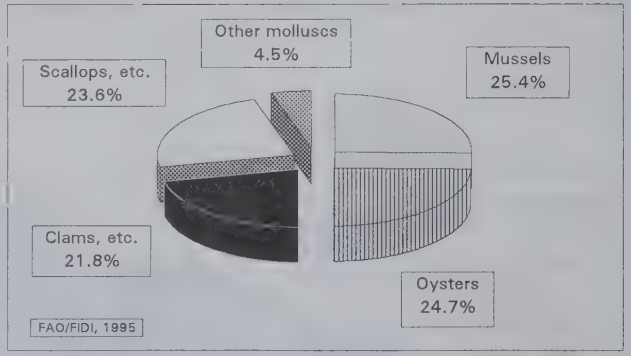
# Aquaculture Production of Molluscs

by Groups of Species, 1984-1993 and Comparison for Quantity and Value in 1993

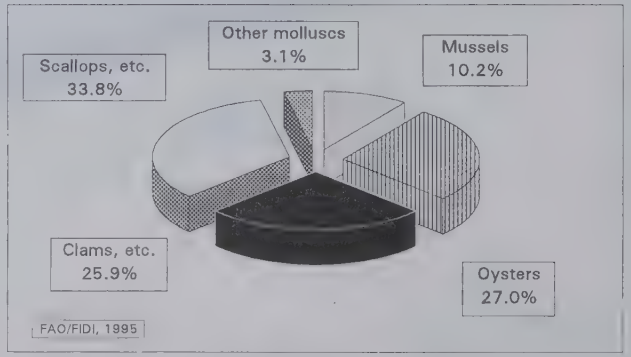
Molluscs: Groups of Species Production, 1984-1993




Quantity, 1993



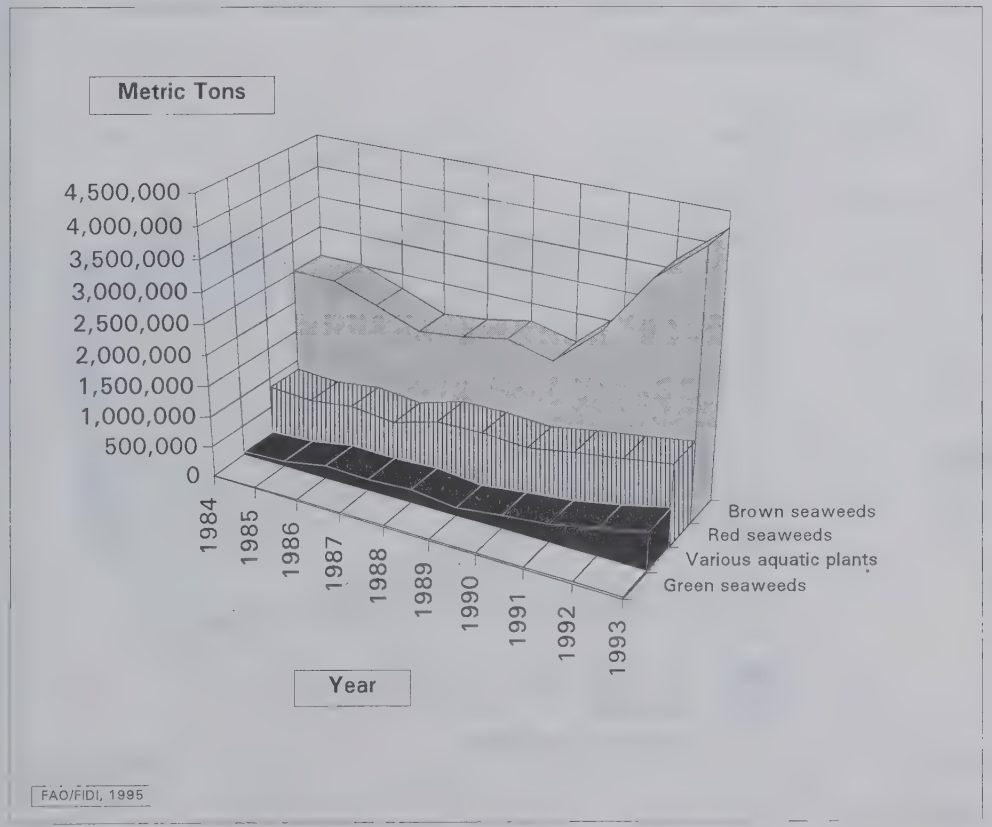

Value, 1993



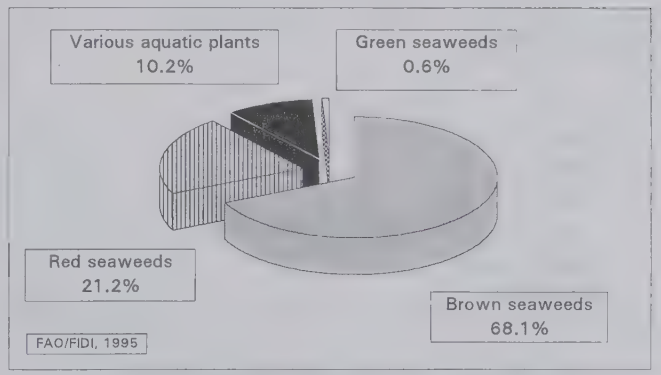
# Aquaculture Production of Aquatic Plants

by Groups of Species, 1984-1993 and Comparison for Quantity and Value in 1993

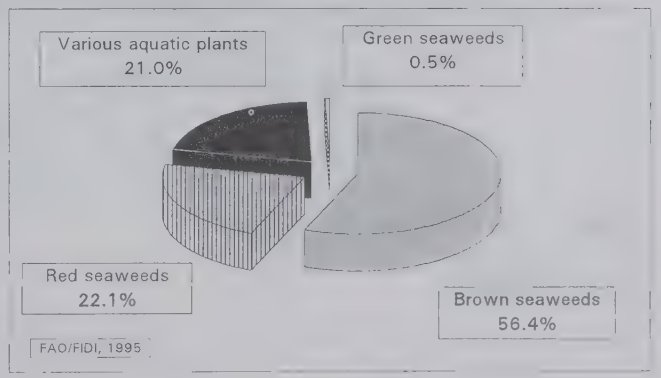
Aquatic Plants: Groups of Species Production, 1984-1993




Quantity, 1993



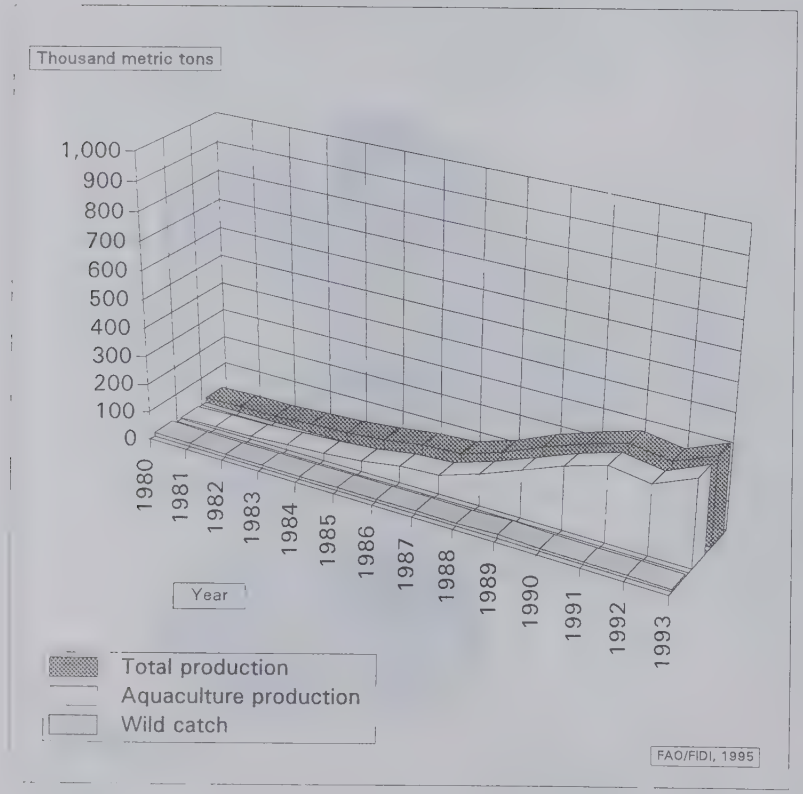

Value, 1993



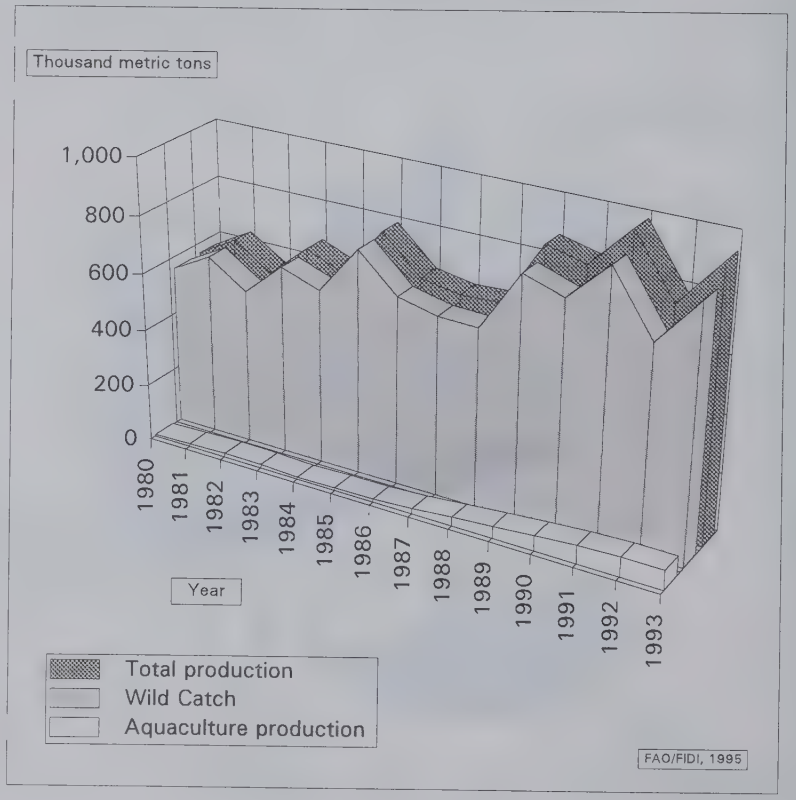
# Production of Atlantic and Pacific Salmons

by Aquaculture and Wild Catch, 1980-1993

Atlantic Salmon



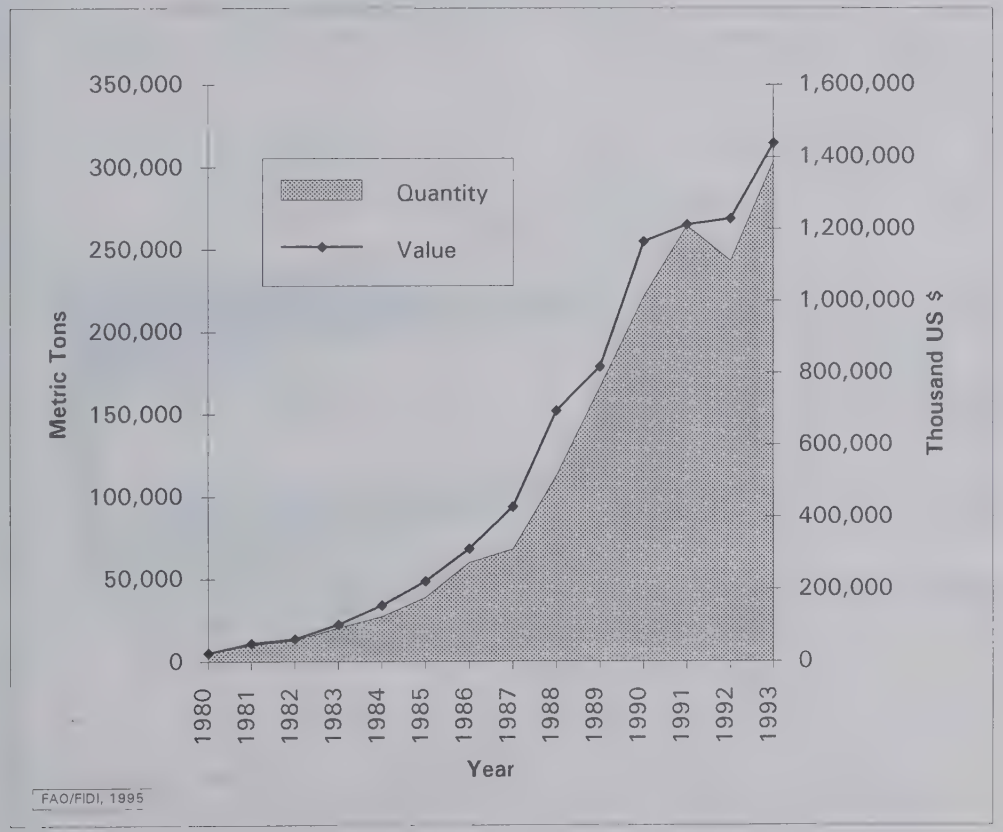

Pacific Salmons



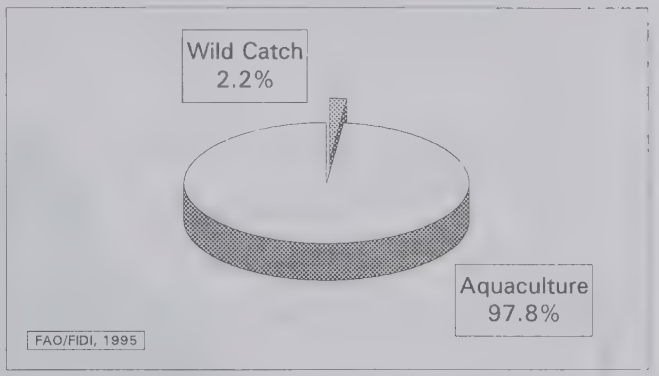
# Aquaculture Production of Atlantic Salmon

and Comparison with Wild Catch of Atlantic and Pacific Salmons for 1993

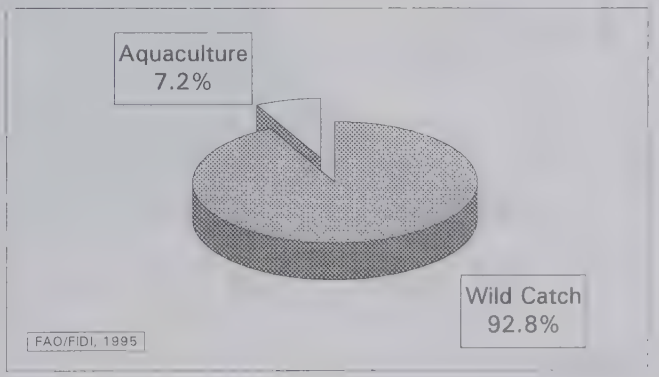
Atlantic Salmon: Aquaculture by Quantity and Value, 1980-1993




Atlantic Salmon Production, 1993



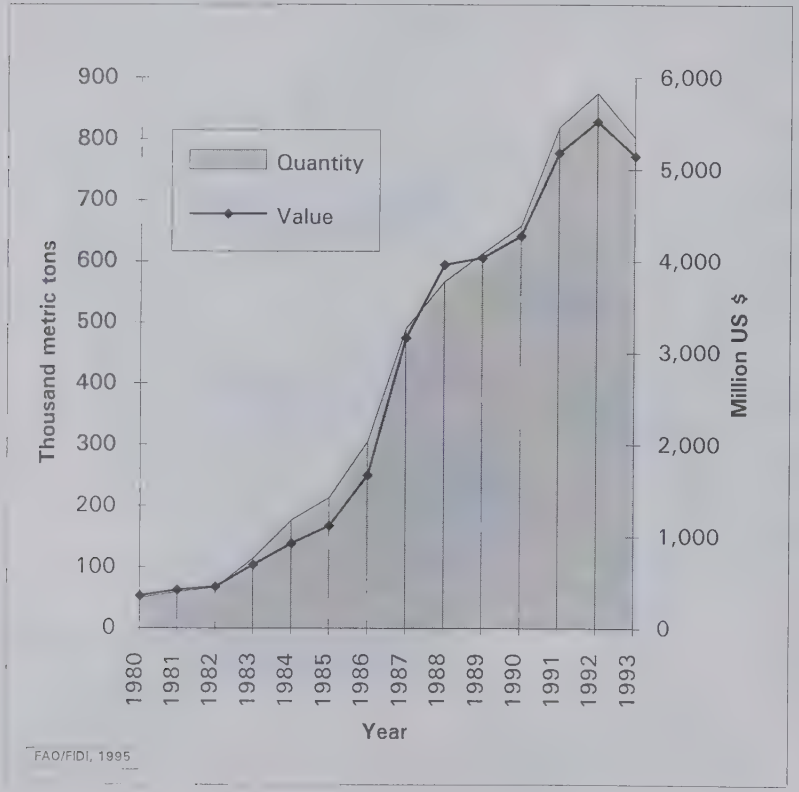

Pacific Salmons Production, 1993



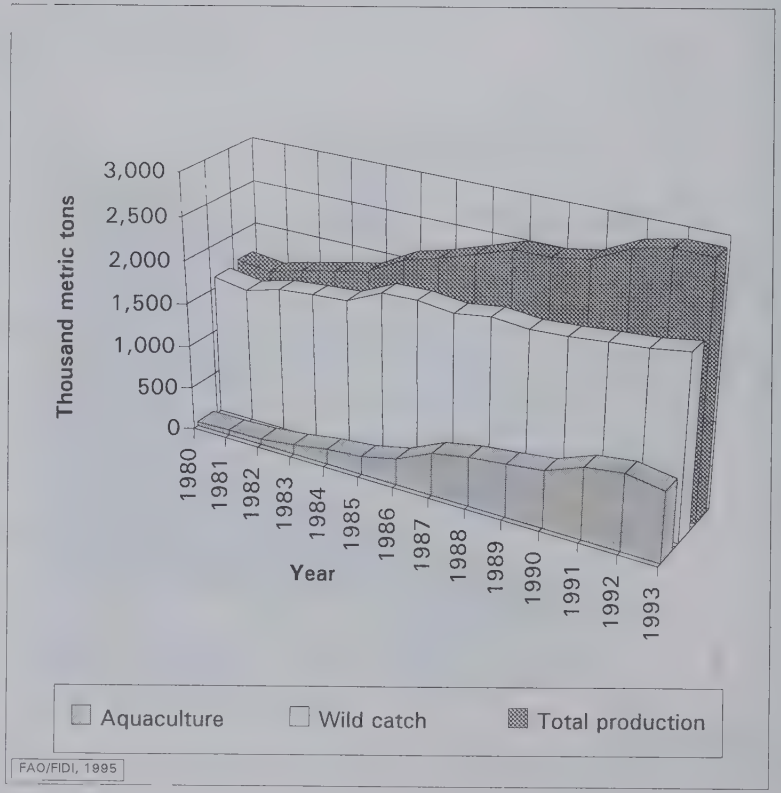
# Aquaculture Production of Shrimps

by Quantity and Value and Comparison with Total Production, 1980-1993

Shrimps: Aquaculture by Quantity and Value, 1980-1993




Shrimps: Total Production, 1980-1993



| Standard Symbols | | Signes Conventionnels | Símbolos Convencionales |
|---|---|---|---|
| ... | data are not available; unobtainable; data not separately available but included in another category | données non disponibles; données que l'on n'a pas pu obtenir; données non disponibles séparément, mais comprises dans une autre catégorie | no hay datos; no se han podido obtener datos; datos no disponibles por separado pero incluidos en otra partida estadística |
| 0 | more than zero but less than half a metric ton | quantité supérieure à zéro, mais inférieure à une demi-tonne métrique | más de cero pero menos de media tonelada métrica |
| **nei** | not elsewhere included | **nca:** non compris ailleurs | **nep:** no especificado en otra partida |
| **mt** | metric tons = tonnes | tonnes métriques = tonnes | toneladas métricas |
| **US$** | US Dollar | dollar des Etats-Unis | dólar de los EE.UU. |
| **...A** | FAO name in English of the species item not ascertainable | Le nom anglais utilisé par la FAO pour la catégorie d'espèces n'est pas vérifiable | Se desconoce el nombre dado por la FAO en inglés a la partida de especies |
| **...B** | FAO name in French of the species item not ascertainable | Le nom francais utilisé par la FAO pour la catégorie d'espèces n'st pas vérifiable | Se desconoce el nombre dado por la FAO en francés a la partida de especies |
| **...C** | FAO name in Spanish of the species item not ascertainable | Le nom espagnol utilisé par la FAO pour la catégorie d'espèces n'est pas vérifiable | Se desconoce el nombre dado por la FAO en español a la partida de especies |
| **...D** | Scientific name of the species item not ascertainable | Le nom scientifique pour la catégorie d'espèces n'est pas vérifiable | Se desconoce el nombre científico de la partida de especies |

| Standard Symbols | | Signes Conventionnels | Símbolos convencionales |
|---|---|---|---|
| F | FAO estimate from available sources of information | Estimation de la FAO d'après les sources d'informations disponibles | Estimación de la FAO partiendo de fuentes de información disponibles |
| R | Repetition of data previously reported by the country | Répétition des données précédemment communiquées par le pays | Repetición de los datos comunicados anteriormente por el país. |
| B | Brackishwater culture | Elevage en eau saumâtre | Cultivo en agua salobre |
| I | Freshwater culture | Elevage en eau douce | Cultivo en agua dulce |
| M | Mariculture | Mariculture | Maricultura |

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A - Summaries

A - Résumés

A - Resúmenes

## A-0 World aquaculture production by inland and marine waters
## Production mondiale de l'aquaculture par eaux continentales et maritimes
## Producción mundial de acuicultura por aguas continentales y marítimas

Q = mt
V = US$'000

| Inland and marine waters<br>Eaux continentales et maritimes<br>Aguas continentales y marítimas | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fish and shellfish**<br>**Poissons et fruits de mer**<br>**Peces y mariscos** | Q | **6 937 140** | **7 724 340** | **8 811 795** | **10 149 794** | **11 202 430** | **11 713 008** | **12 410 117** | **13 150 445** | **14 390 190** | **16 285 135** |
| | V | **9 475 408** | **10 579 407** | **13 536 613** | **17 679 874** | **20 572 151** | **21 710 802** | **24 097 527** | **25 539 239** | **27 708 391** | **29 259 161** |
| Inland waters<br>Eaux continentales<br>Aguas continentales | Q | 4 513 852 | 5 030 616 | 5 781 935 | 6 648 449 | 7 281 122 | 7 735 331 | 8 217 305 | 8 695 278 | 9 509 485 | 10 725 832 |
| | V | 6 174 649 | 6 799 706 | 8 285 300 | 10 123 478 | 11 587 285 | 12 648 211 | 14 134 684 | 14 129 597 | 15 308 782 | 16 247 119 |
| Marine waters<br>Eaux maritimes<br>Aguas marítimas | Q | 2 423 288 | 2 693 724 | 3 029 860 | 3 501 345 | 3 921 308 | 3 977 677 | 4 192 812 | 4 455 167 | 4 880 705 | 5 559 303 |
| | V | 3 300 759 | 3 779 701 | 5 251 313 | 7 556 396 | 8 984 866 | 9 062 591 | 9 962 843 | 11 409 642 | 12 399 609 | 13 012 042 |
| **All aquatic organisms**<br>**Tous les organismes aquatiques**<br>**Todos los organismos acuáticos** | Q | **10 459 113** | **11 230 255** | **12 289 950** | **13 250 776** | **14 634 262** | **15 208 230** | **15 768 241** | **17 355 685** | **19 826 354** | **22 626 168** |
| | V | **13 093 001** | **14 167 914** | **17 514 667** | **21 416 056** | **25 027 667** | **25 954 251** | **28 268 842** | **30 723 363** | **33 610 598** | **35 708 493** |
| Inland waters<br>Eaux continentales<br>Aguas continentales | Q | 4 519 938 | 5 035 404 | 5 785 199 | 6 651 790 | 7 283 948 | 7 736 976 | 8 218 668 | 8 696 664 | 9 510 458 | 10 726 875 |
| | V | 6 244 475 | 6 850 335 | 8 318 731 | 10 155 249 | 11 611 923 | 12 663 060 | 14 146 035 | 14 140 997 | 15 314 016 | 16 251 172 |
| Marine waters<br>Eaux maritimes<br>Aguas marítimas | Q | 5 939 175 | 6 194 851 | 6 504 751 | 6 598 986 | 7 350 314 | 7 471 254 | 7 549 573 | 8 659 021 | 10 315 896 | 11 899 293 |
| | V | 6 848 526 | 7 317 579 | 9 195 936 | 11 260 807 | 13 415 744 | 13 291 191 | 14 122 807 | 16 582 366 | 18 296 582 | 19 457 321 |

## A-1 World aquaculture production by environment
## Production mondiale de l'aquaculture par environnement
## Producción mundial de acuicultura por ambiente

Q = mt
V = US$'000

| Environment<br>Environnement<br>Ambiente | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fish and shellfish**<br>**Poissons et fruits de mer**<br>**Peces y mariscos** | **Q** | **6 937 140** | **7 724 340** | **8 811 795** | **10 149 794** | **11 202 430** | **11 713 008** | **12 410 117** | **13 150 445** | **14 390 190** | **16 285 135** |
| | **V** | **9 475 408** | **10 579 407** | **13 536 613** | **17 679 874** | **20 572 151** | **21 710 802** | **24 097 527** | **25 539 239** | **27 708 391** | **29 259 161** |
| Freshwater culture<br>Elevage en eau douce<br>Cultivo en agua dulce | Q | 4 154 206 | 4 652 312 | 5 374 268 | 6 177 137 | 6 774 128 | 7 187 655 | 7 612 768 | 8 036 033 | 8 879 648 | 10 062 271 |
| | V | 5 658 449 | 6 179 077 | 7 562 332 | 9 195 552 | 10 287 941 | 11 050 123 | 12 288 975 | 12 052 600 | 13 057 770 | 13 773 981 |
| Brackishwater culture<br>Elevage en eau saumâtre<br>Cultivo en agua salobre | Q | 605 936 | 661 353 | 773 440 | 996 195 | 1 108 839 | 1 149 178 | 1 305 191 | 1 425 272 | 1 413 950 | 1 350 121 |
| | V | 1 403 189 | 1 690 939 | 2 276 094 | 3 803 072 | 4 694 301 | 4 866 279 | 5 334 525 | 6 271 429 | 6 569 674 | 6 197 852 |
| Mariculture<br>Mariculture<br>Maricultura | Q | 2 176 998 | 2 410 675 | 2 664 087 | 2 976 462 | 3 319 463 | 3 376 175 | 3 492 158 | 3 689 140 | 4 096 592 | 4 872 743 |
| | V | 2 413 770 | 2 709 391 | 3 698 187 | 4 681 250 | 5 589 909 | 5 794 400 | 6 474 027 | 7 215 210 | 8 080 947 | 9 287 328 |
| **All aquatic organisms**<br>**Tous les organismes aquatiques**<br>**Todos los organismos acuáticos** | **Q** | **10 459 113** | **11 230 255** | **12 289 950** | **13 250 776** | **14 634 262** | **15 208 230** | **15 768 241** | **17 355 685** | **19 826 354** | **22 626 168** |
| | **V** | **13 093 001** | **14 167 914** | **17 514 667** | **21 416 056** | **25 027 667** | **25 954 251** | **28 268 842** | **30 723 363** | **33 610 598** | **35 708 493** |
| Freshwater culture<br>Elevage en eau douce<br>Cultivo en agua dulce | Q | 4 160 287 | 4 657 100 | 5 377 530 | 6 180 426 | 6 776 936 | 7 189 300 | 7 614 130 | 8 037 417 | 8 880 621 | 10 063 314 |
| | V | 5 728 271 | 6 229 706 | 7 595 762 | 9 227 307 | 10 312 573 | 11 064 972 | 12 300 325 | 12 063 998 | 13 063 004 | 13 778 034 |
| Brackishwater culture<br>Elevage en eau saumâtre<br>Cultivo en agua salobre | Q | 615 972 | 671 325 | 782 648 | 1 001 674 | 1 115 415 | 1 157 825 | 1 315 743 | 1 434 513 | 1 429 984 | 1 363 045 |
| | V | 1 412 822 | 1 700 226 | 2 285 906 | 3 807 505 | 4 701 187 | 4 868 072 | 5 335 541 | 6 272 542 | 6 575 058 | 6 202 116 |
| Mariculture<br>Mariculture<br>Maricultura | Q | 5 682 854 | 5 901 830 | 6 129 772 | 6 068 676 | 6 741 911 | 6 861 105 | 6 838 368 | 7 883 755 | 9 515 749 | 11 199 809 |
| | V | 5 951 908 | 6 237 982 | 7 632 999 | 8 381 244 | 10 013 907 | 10 021 207 | 10 632 976 | 12 386 823 | 13 972 536 | 15 728 343 |

## A-2 World brackishwater culture production by inland and marine waters
## Production mondiale de l'aquaculture dans les eaux saumâtres par eaux continentales et maritimes
## Producción mundial de acuicultura en aguas salobres por aguas continentales y marítimas

Q = mt
V = US$'000

| Inland and marine waters<br>Eaux continentales et maritimes<br>Aguas continentales y marítimas | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fish and shellfish**<br>**Poissons et fruits de mer**<br>**Peces y mariscos** | Q | **605 936** | **661 353** | **773 440** | **996 195** | **1 108 839** | **1 149 178** | **1 305 191** | **1 425 272** | **1 413 950** | **1 350 121** |
| | V | **1 403 189** | **1 690 939** | **2 276 094** | **3 803 072** | **4 694 301** | **4 866 279** | **5 334 525** | **6 271 429** | **6 569 674** | **6 197 852** |
| Inland waters<br>Eaux continentales<br>Aguas continentales | Q | 359 646 | 378 304 | 407 667 | 471 312 | 506 994 | 547 676 | 604 537 | 659 245 | 629 837 | 663 561 |
| | V | 516 200 | 620 629 | 722 968 | 927 926 | 1 299 344 | 1 598 088 | 1 845 709 | 2 076 997 | 2 251 012 | 2 473 138 |
| Marine waters<br>Eaux maritimes<br>Aguas marítimas | Q | 246 290 | 283 049 | 365 773 | 524 883 | 601 845 | 601 502 | 700 654 | 766 027 | 784 113 | 686 560 |
| | V | 886 989 | 1 070 310 | 1 553 126 | 2 875 146 | 3 394 957 | 3 268 191 | 3 488 816 | 4 194 432 | 4 318 662 | 3 724 714 |
| **All aquatic organisms**<br>**Tous les organismes aquatiques**<br>**Todos los organismos acuáticos** | Q | **615 972** | **671 325** | **782 648** | **1 001 674** | **1 115 415** | **1 157 825** | **1 315 743** | **1 434 513** | **1 429 984** | **1 363 045** |
| | V | **1 412 822** | **1 700 226** | **2 285 906** | **3 807 505** | **4 701 187** | **4 868 072** | **5 335 541** | **6 272 542** | **6 575 058** | **6 202 116** |
| Inland waters<br>Eaux continentales<br>Aguas continentales | Q | 359 651 | 378 304 | 407 669 | 471 364 | 507 012 | 547 676 | 604 538 | 659 247 | 629 837 | 663 561 |
| | V | 516 204 | 620 629 | 722 969 | 927 942 | 1 299 350 | 1 598 088 | 1 845 710 | 2 076 999 | 2 251 012 | 2 473 138 |
| Marine waters<br>Eaux maritimes<br>Aguas marítimas | Q | 256 321 | 293 021 | 374 979 | 530 310 | 608 403 | 610 149 | 711 205 | 775 266 | 800 147 | 699 484 |
| | V | 896 618 | 1 079 597 | 1 562 937 | 2 879 563 | 3 401 837 | 3 269 984 | 3 489 831 | 4 195 543 | 4 324 046 | 3 728 978 |

## A-3 World aquaculture production by continent
## Production mondiale de l'aquaculture par continent
## Producción mundial de acuicultura por continente

Q = mt
V = US$'000

| Continent<br>Continent<br>Continente | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fish and shellfish**<br>**Poissons et fruits de mer**<br>**Peces y mariscos** | Q | **6 937 140** | **7 724 340** | **8 811 795** | **10 149 794** | **11 202 430** | **11 713 008** | **12 410 117** | **13 150 445** | **14 390 190** | **16 285 135** |
| | V | **9 475 408** | **10 579 407** | **13 536 613** • | **17 679 874** | **20 572 151** | **21 710 802** | **24 097 527** | **25 539 239** | **27 708 391** | **29 259 161** |
| Africa<br>Afrique<br>Africa | Q | 24 481 | 40 070 | 40 701 | 43 083 | 51 211 | 71 267 | 55 777 | 67 887 | 70 200 | 68 518 |
| | V | 23 731 | 35 525 | 37 121 | 57 689 | 82 052 | 123 438 | 123 779 | 150 672 | 173 677 | 181 582 |
| America, North<br>Amérique du Nord<br>América del Norte | Q | 401 013 | 401 349 | 453 358 | 484 245 | 477 145 | 500 773 | 449 393 | 497 857 | 546 979 | 562 407 |
| | V | 545 809 | 505 166 | 569 836 | 654 858 | 753 632 | 804 990 | 832 963 | 970 122 | 1 104 647 | 1 225 190 |
| America, South<br>Amérique du Sud<br>América del Sur | Q | 50 673 | 53 845 | 52 125 | 99 759 | 112 062 | 118 732 | 148 310 | 199 291 | 247 455 | 239 360 |
| | V | 301 198 | 308 806 | 304 959 | 665 915 | 768 073 | 685 593 | 655 855 | 920 818 | 1 102 869 | 1 062 347 |
| Asia<br>Asie<br>Asia | Q | 5 256 800 | 5 911 436 | 6 875 283 | 8 067 709 | 9 021 984 | 9 470 926 | 10 086 953 | 10 671 954 | 12 085 744 | 13 976 552 |
| | V | 6 848 767 | 7 836 773 | 10 215 847 | 13 469 385 | 15 666 813 | 16 495 545 | 18 363 772 | 19 374 955 | 21 496 715 | 22 923 795 |
| Europe<br>Europe<br>Europa | Q | 917 435 | 1 006 282 | 1 044 097 | 1 080 108 | 1 138 689 | 1 158 619 | 1 228 679 | 1 221 541 | 1 173 173 | 1 183 604 |
| | V | 1 412 249 | 1 537 976 | 1 938 266 | 2 272 489 | 2 607 349 | 2 820 863 | 3 283 020 | 3 205 137 | 3 266 145 | 3 314 281 |
| Oceania<br>Océanie<br>Oceanía | Q | 19 484 | 21 566 | 26 345 | 29 525 | 41 556 | 41 596 | 42 115 | 64 047 | 68 429 | 71 161 |
| | V | 32 257 | 30 712 | 41 187 | 50 467 | 103 430 | 131 635 | 133 919 | 144 592 | 174 499 | 179 236 |
| Former USSR area<br>Zone de l'ex-URSS<br>Area de la Ex URSS | Q | 267 254 | 289 792 | 319 886 | 345 365 | 359 783 | 351 095 | 398 890 | 427 868 | 198 210 | 183 533 |
| | V | 311 397 | 324 449 | 429 397 | 509 071 | 590 802 | 648 738 | 704 219 | 772 943 | 389 839 | 372 730 |

## A-4 World aquaculture production by continent
## Production mondiale de l'aquaculture par continent
## Producción mundial de acuicultura por continente

Q = mt
V = US$'000

| Continent<br>Continent<br>Continente | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **All aquatic organisms** | Q | **10 459 113** | **11 230 255** | **12 289 950** | **13 250 776** | **14 634 262** | **15 208 230** | **15 768 241** | **17 355 685** | **19 826 354** | **22 626 168** |
| **Tous les organismes aquatiques** | V | **13 093 001** | **14 167 914** | **17 514 667** | **21 416 056** | **25 027 667** | **25 954 251** | **28 268 842** | **30 723 363** | **33 610 598** | **35 708 493** |
| **Todos los organismos acuáticos** | | | | | | | | | | | |
| Africa | Q | 24 511 | 40 230 | 40 852 | 43 293 | 51 499 | 72 177 | 63 127 | 75 846 | 77 856 | 75 178 |
| Afrique | V | 23 856 | 36 050 | 37 562 | 58 451 | 83 246 | 124 702 | 126 915 | 153 760 | 176 764 | 184 362 |
| Africa | | | | | | | | | | | |
| America, North | Q | 401 013 | 401 359 | 453 368 | 484 255 | 477 154 | 500 787 | 449 407 | 497 866 | 546 986 | 562 413 |
| Amérique du Nord | V | 545 809 | 505 196 | 569 866 | 654 888 | 753 655 | 805 023 | 832 997 | 970 146 | 1 104 664 | 1 225 204 |
| América del Norte | | | | | | | | | | | |
| America, South | Q | 57 473 | 58 769 | 57 457 | 108 937 | 135 171 | 154 882 | 186 327 | 256 970 | 295 267 | 288 013 |
| Amérique du Sud | V | 303 918 | 310 776 | 307 092 | 669 586 | 777 317 | 700 053 | 673 343 | 948 504 | 1 121 993 | 1 081 807 |
| América del Sur | | | | | | | | | | | |
| Asia | Q | 8 762 443 | 9 402 391 | 10 334 256 | 11 146 686 | 12 415 883 | 12 916 300 | 13 384 070 | 14 791 057 | 17 448 577 | 20 242 527 |
| Asie | V | 10 385 880 | 11 352 155 | 14 103 049 | 17 110 835 | 20 005 776 | 20 619 212 | 22 397 168 | 24 382 129 | 27 224 599 | 29 160 346 |
| Asia | | | | | | | | | | | |
| Europe | Q | 917 435 | 1 006 288 | 1 044 097 | 1 080 114 | 1 138 699 | 1 158 662 | 1 228 685 | 1 221 594 | 1 178 225 | 1 188 654 |
| Europe | V | 1 412 249 | 1 537 981 | 1 938 266 | 2 272 494 | 2 607 357 | 2 820 897 | 3 283 025 | 3 205 179 | 3 268 637 | 3 316 221 |
| Europa | | | | | | | | | | | |
| Oceania | Q | 25 484 | 27 926 | 36 419 | 38 667 | 51 073 | 51 257 | 52 347 | 74 742 | 79 933 | 84 350 |
| Océanie | V | 103 865 | 95 461 | 122 264 | 133 089 | 197 985 | 229 486 | 240 399 | 266 347 | 321 112 | 364 373 |
| Oceanía | | | | | | | | | | | |
| Former USSR area | Q | 270 754 | 293 292 | 323 501 | 348 824 | 364 783 | 354 165 | 404 278 | 437 610 | 199 510 | 185 033 |
| Zone de l'ex-URSS | V | 317 424 | 330 295 | 436 568 | 516 713 | 602 331 | 654 878 | 714 995 | 797 298 | 392 829 | 376 180 |
| Area de la Ex URSS | | | | | | | | | | | |

## A-5 World aquaculture production by principal producers in 1993
## Production mondiale de l'aquaculture par principaux producteurs in 1993
## Producción mundial de acuicultura por productores principales in 1993

Q = mt
V = US$'000

| Country<br>Pays<br>País | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fish and shellfish** | **Q** | **6 937 140** | **7 724 340** | **8 811 795** | **10 149 794** | **11 202 430** | **11 713 008** | **12 410 117** | **13 150 445** | **14 390 190** | **16 285 135** |
| **Poissons et fruits de mer** | **V** | **9 475 408** | **10 579 407** | **13 536 613** | **17 679 874** | **20 572 151** | **21 710 802** | **24 097 527** | **25 539 239** | **27 708 391** | **29 259 161** |
| **Peces y mariscos** | | | | | | | | | | | |
| China | Q | 2 452 270 | 2 821 808 | 3 558 783 | 4 380 704 | 5 077 316 | 5 428 580 | 5 803 635 | 6 133 612 | 7 209 548 | 8 880 167 |
| | V | 2 691 655 | 3 202 022 | 4 185 375 | 5 854 043 | 6 540 325 | 6 807 805 | 7 273 069 | 7 746 980 | 8 658 310 | 9 583 665 |
| India | Q | 511 500 | 634 250 | 687 260 | 789 510 | 894 330 | 1 005 500 | 1 013 121 | 1 222 761 | 1 391 689 | 1 438 915 |
| | V | 355 750 | 561 834 | 664 723 | 827 574 | 1 024 064 | 1 257 311 | 1 600 784 | 1 438 577 | 1 564 357 | 1 640 139 |
| Japan | Q | 629 454 | 660 943 | 692 762 | 739 121 | 806 754 | 784 580 | 804 293 | 803 412 | 818 330 | 833 032 |
| | V | 1 610 039 | 1 649 380 | 2 425 532 | 2 942 415 | 3 245 601 | 3 146 971 | 3 107 608 | 3 487 061 | 3 494 918 | 3 608 821 |
| Indonesia | Q | 270 764 | 295 518 | 333 092 | 376 727 | 415 090 | 441 832 | 499 824 | 517 507 | 550 368 | 592 081 |
| | V | 264 924 | 376 394 | 498 529 | 688 726 | 943 297 | 1 331 050 | 1 477 273 | 1 713 175 | 1 812 355 | 1 948 175 |
| USA | Q | 326 453 | 323 573 | 372 186 | 383 080 | 359 740 | 371 089 | 315 415 | 364 050 | 413 605 | 433 698 |
| | V | 487 141 | 425 255 | 471 289 | 516 556 | 530 125 | 545 394 | 534 013 | 540 576 | 631 980 | 706 678 |
| Thailand | Q | 111 933 | 135 841 | 128 417 | 174 492 | 219 101 | 260 191 | 291 719 | 353 367 | 370 903 | 414 269 |
| | V | 108 335 | 114 994 | 147 479 | 239 578 | 501 429 | 533 121 | 775 801 | 1 097 875 | 1 169 053 | 1 478 097 |
| Philippines | Q | 336 257 | 312 688 | 302 055 | 340 131 | 343 059 | 360 624 | 381 090 | 408 774 | 391 083 | 391 703 |
| | V | 429 257 | 451 867 | 494 768 | 539 402 | 695 982 | 681 555 | 798 696 | 790 699 | 969 392 | 1 055 363 |
| Korea Rep | Q | 295 661 | 393 042 | 468 212 | 477 455 | 457 500 | 404 493 | 376 683 | 342 229 | 375 507 | 391 424 |
| | V | 89 271 | 109 418 | 157 836 | 259 899 | 318 969 | 318 428 | 398 311 | 377 307 | 619 311 | 508 423 |
| Other Asia | Q | 239 878 | 240 743 | 256 811 | 299 897 | 294 345 | 234 924 | 333 636 | 283 097 | 250 459 | 276 843 |
| | V | 630 099 | 621 916 | 808 432 | 1 105 702 | 1 195 668 | 1 009 181 | 1 250 087 | 1 131 663 | 1 163 168 | 1 126 597 |
| France | Q | 192 609 | 226 857 | 243 861 | 232 098 | 227 744 | 225 113 | 256 797 | 244 843 | 249 752 | 270 880 |
| | V | 226 880 | 257 050 | 455 099 | 488 554 | 483 432 | 460 366 | 529 690 | 499 201 | 560 019 | 527 749 |
| Bangladesh | Q | 117 025 | 123 811 | 133 868 | 150 215 | 154 834 | 162 630 | 169 785 | 177 893 | 230 097 | 247 816 |
| | V | 144 970 | 175 442 | 171 227 | 210 062 | 213 199 | 237 932 | 293 137 | 292 321 | 364 763 | 424 373 |
| Viet Nam | Q | 118 000 | 128 000 | 131 000 | 139 600 | 141 600 | 149 300 | 153 000 | 175 000 | 185 000 | 192 000 |
| | V | 175 400 | 185 400 | 203 000 | 229 800 | 235 400 | 327 060 | 349 000 | 414 200 | 464 000 | 497 000 |
| Norway | Q | 25 869 | 34 617 | 50 162 | 56 346 | 89 987 | 113 780 | 150 038 | 160 727 | 130 897 | 172 771 |
| | V | 133 357 | 177 534 | 233 343 | 314 348 | 516 878 | 511 994 | 773 235 | 669 936 | 627 621 | 785 281 |
| Italy | Q | 96 900 | 104 301 | 109 130 | 119 216 | 132 314 | 133 721 | 144 234 | 146 297 | 160 203 | 156 635 |
| | V | 175 646 | 170 556 | 216 096 | 281 555 | 276 669 | 290 395 | 345 181 | 360 226 | 370 705 | 328 407 |
| Other countries | Q | 1 212 567 | 1 288 348 | 1 344 196 | 1 491 202 | 1 588 716 | 1 636 651 | 1 716 847 | 1 816 876 | 1 662 749 | 1 592 901 |
| Autres pays | V | 1 952 684 | 2 100 345 | 2 403 885 | 3 181 660 | 3 851 113 | 4 252 239 | 4 591 642 | 4 979 442 | 5 238 439 | 5 040 393 |
| Otros países | | | | | | | | | | | |

B - Aquaculture production by species

B - Production de l'aquaculture par espèces

B - Producción de acuicultura por especies

## B-0 Aquaculture production by species groups
## Production de l'aquaculture par groupes d'espèces
## Producción de acuicultura por grupos de especies

Q = mt
V = US$'000

| Species group<br>Groupe d'espèces<br>Grupo de especie | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Carps, barbels and other cyprinids<br>11 Carpes, barbeaux et autres cyprinidés<br>Carpas, barbos y otros ciprínidos | Q | 3 184 713 | 3 564 186 | 4 221 764 | 4 927 608 | 5 470 251 | 5 548 851 | 5 881 057 | 6 146 898 | 6 735 542 | 7 638 001 |
| | V | 3 616 409 | 3 942 102 | 4 939 392 | 6 096 468 | 6 792 054 | 7 137 202 | 8 073 860 | 7 807 500 | 8 264 489 | 8 647 813 |
| Tilapias and other cichlids<br>12 Tilapias et autres cichlidés<br>Tilapias y otros cíclidos | Q | 186 470 | 237 504 | 241 688 | 282 481 | 304 360 | 358 711 | 394 046 | 409 129 | 498 839 | 550 600 |
| | V | 158 971 | 231 828 | 250 363 | 313 878 | 377 030 | 480 856 | 551 094 | 572 610 | 735 615 | 772 301 |
| Miscellaneous freshwater fishes<br>13 Poissons d'eau douce divers<br>Peces de agua dulce diversos | Q | 425 425 | 545 815 | 594 718 | 623 472 | 637 936 | 916 590 | 929 130 | 1 054 260 | 1 218 942 | 1 435 565 |
| | V | 521 630 | 746 181 | 819 560 | 914 626 | 976 683 | 1 334 892 | 1 417 621 | 1 465 379 | 1 746 978 | 2 053 398 |
| Sturgeons, paddlefishes<br>21 Esturgeons, spatules<br>Esturiones, sollos | Q | 150 | 150 | 180 | 165 | 205 | 285 | 358 | 410 | 437 | 525 |
| | V | 1 476 | 1 432 | 2 113 | 2 157 | 2 792 | 3 915 | 6 035 | 6 398 | 7 076 | 6 819 |
| River eels<br>22 Anguilles<br>Anguilas | Q | 77 884 | 80 244 | 77 595 | 87 392 | 98 143 | 89 903 | 104 338 | 105 043 | 99 291 | 86 135 |
| | V | 576 606 | 546 468 | 681 843 | 831 929 | 1 044 051 | 943 956 | 922 936 | 900 440 | 953 085 | 885 734 |
| Salmons, trouts, smelts<br>23 Saumons, truites, éperlans<br>Salmones, truchas, eperlanos | Q | 246 980 | 263 658 | 303 632 | 346 686 | 422 664 | 496 719 | 585 656 | 648 952 | 642 160 | 717 258 |
| | V | 888 413 | 977 503 | 1 269 094 | 1 639 441 | 2 007 588 | 2 182 192 | 2 709 578 | 2 838 902 | 2 882 096 | 3 068 332 |
| Miscellaneous diadromous fishes<br>25 Poissons diadromes divers<br>Peces diadromos diversos | Q | 355 490 | 313 850 | 313 515 | 336 287 | 349 738 | 344 495 | 444 929 | 431 554 | 357 452 | 374 424 |
| | V | 350 112 | 356 350 | 379 850 | 386 948 | 496 476 | 547 616 | 674 177 | 692 959 | 669 820 | 690 841 |
| Flounders, halibuts, soles<br>31 Flets, flétans, soles<br>Platijas, halibuts, lenguados | Q | 878 | 1 667 | 1 965 | 2 427 | 3 278 | 4 833 | 7 763 | 9 344 | 12 075 | 12 629 |
| | V | 3 804 | 8 713 | 16 420 | 32 899 | 49 994 | 74 924 | 136 244 | 150 311 | 270 948 | 164 778 |
| Cods, hakes, haddocks<br>32 Morues, merlus, églefins<br>Bacalaos, merluzas, eglefinos | Q | - | - | - | 5 | 215 | 69 | 30 | 40 | 28 | 28 |
| | V | - | - | - | 16 | 1 491 | 469 | 184 | 197 | 98 | 86 |

## B-0 Aquaculture production by species groups
## Production de l'aquaculture par groupes d'espèces
## Producción de acuicultura por grupos de especies

Q = mt
V = US$'000

| Species group<br>Groupe d'espèces<br>Grupo de especie | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Redfishes, basses, congers<br>33 Rascasses, perches de mer, congres<br>Gallinetas, lubinas, congrios | Q | 28 777 | 32 396 | 39 093 | 45 589 | 54 483 | 56 109 | 70 789 | 88 601 | 96 635 | 117 016 |
| | V | 217 120 | 237 296 | 395 077 | 534 957 | 579 388 | 622 825 | 819 329 | 1 030 728 | 1 191 514 | 1 341 120 |
| Jacks, mullets, saurles<br>34 Chinchards, mulets, balaous<br>Jureles, lisas, papardas | Q | 167 449 | 169 815 | 167 802 | 180 890 | 191 571 | 181 691 | 189 332 | 191 564 | 180 908 | 175 295 |
| | V | 621 450 | 628 781 | 910 114 | 1 083 525 | 1 116 718 | 1 055 053 | 988 948 | 1 154 892 | 1 083 988 | 1 114 751 |
| Herrings, sardines, anchovies<br>35 Harengs, sardines, anchois<br>Arenques, sardinas, anchoas | Q | ... | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | V | ... | 6 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunas, bonitos, billfishes<br>36 Thons, pélamides, marlins<br>Atunes, bonitos, agujas | Q | 50 | 38 | 60 | 99 | 47 | 237 | 358 | 16 | 123 | 555 |
| | V | 193 | 190 | 300 | 495 | 235 | 1 185 | 1 790 | 105 | 1 177 | 9 157 |
| Miscellaneous marine fishes<br>39 Poissons marins divers<br>Peces marinos diversos | Q | 12 529 | 17 816 | 24 069 | 33 960 | 37 596 | 39 015 | 40 393 | 54 372 | 68 679 | 80 437 |
| | V | 14 473 | 20 662 | 29 349 | 38 717 | 48 063 | 51 603 | 61 372 | 81 093 | 100 543 | 97 092 |
| Freshwater crustaceans<br>41 Crustacés d'eau douce<br>Crustáceos de agua dulce | Q | 37 691 | 39 032 | 57 567 | 70 438 | 59 392 | 59 561 | 65 861 | 67 767 | 66 132 | 63 398 |
| | V | 105 353 | 100 235 | 135 590 | 215 587 | 238 369 | 215 621 | 269 507 | 308 045 | 289 771 | 293 886 |
| Sea-spiders, crabs<br>42 Araignées de mer, crabes<br>Centollas, cangrejos | Q | 8 036 | 8 226 | 8 682 | 9 456 | 9 574 | 13 548 | 16 469 | 18 773 | 25 602 | 39 480 |
| | V | 17 141 | 17 139 | 17 879 | 19 592 | 20 094 | 45 592 | 61 373 | 87 939 | 112 517 | 190 385 |
| Lobsters, spiny-rock lobsters<br>43 Homards, langoustes<br>Bogavantes, langostas | Q | 17 | 22 | 13 | 62 | 90 | 64 | 79 | 84 | 62 | 43 |
| | V | 245 | 222 | 118 | 715 | 2 108 | 1 179 | 2 943 | 2 978 | 1 653 | 1 222 |
| Shrimps, prawns<br>45 Crevettes<br>Gambas, camarones | Q | 177 019 | 213 027 | 305 020 | 490 183 | 566 321 | 612 781 | 658 234 | 819 457 | 874 650 | 802 229 |
| | V | 922 935 | 1 116 508 | 1 664 701 | 3 165 247 | 3 961 581 | 4 040 175 | 4 274 512 | 5 182 930 | 5 525 998 | 5 147 020 |

## B-0 Aquaculture production by species groups
## Production de l'aquaculture par groupes d'espèces
## Producción de acuicultura por grupos de especies

Q = mt
V = US$'000

| Species group<br>Groupe d'espèces<br>Grupo de especie | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miscellaneous marine crustaceans | | | | | | | | | | |
| 47 | Crustacés marins divers | | | | | | | | | | |
| | Crustáceos marinos diversos | | | | | | | | | | |
| | Q | 13 762 | 13 017 | 13 561 | 14 807 | 14 924 | 16 879 | 16 893 | 19 021 | 21 647 | 29 619 |
| | V | 129 577 | 142 174 | 150 513 | 164 972 | 164 954 | 178 845 | 178 758 | 199 784 | 213 139 | 238 060 |
| | Freshwater molluscs | | | | | | | | | | |
| 51 | Mollusques d'eau douce | | | | | | | | | | |
| | Moluscos de agua dulce | | | | | | | | | | |
| | Q | 9 157 | 9 701 | 10 359 | 9 384 | 11 192 | 9 921 | 16 477 | 13 123 | 11 181 | 11 102 |
| | V | 8 685 | 9 843 | 9 447 | 13 756 | 17 861 | 27 448 | 100 315 | 22 952 | 21 390 | 19 679 |
| | Abalones, winkles, conchs | | | | | | | | | | |
| 52 | Ormeaux, bigorneaux, strombes | | | | | | | | | | |
| | Orejas de mar, bígaros, estrombos | | | | | | | | | | |
| | Q | 161 | 282 | 802 | 1 453 | 1 323 | 1 735 | 1 939 | 2 309 | 2 169 | 1 857 |
| | V | 3 573 | 6 073 | 12 458 | 29 529 | 39 043 | 27 293 | 30 162 | 35 353 | 44 159 | 28 057 |
| | Oysters | | | | | | | | | | |
| 53 | Huîtres | | | | | | | | | | |
| | Ostras | | | | | | | | | | |
| | Q | 862 748 | 919 755 | 936 627 | 975 687 | 1 005 318 | 933 775 | 875 928 | 875 810 | 953 915 | 1 019 451 |
| | V | 540 636 | 586 486 | 744 626 | 869 232 | 936 866 | 906 898 | 958 732 | 997 903 | 1 124 711 | 1 204 582 |
| | Mussels | | | | | | | | | | |
| 54 | Moules | | | | | | | | | | |
| | Mejillones | | | | | | | | | | |
| | Q | 700 398 | 759 341 | 796 603 | 940 905 | 1 047 704 | 1 058 697 | 1 080 110 | 1 062 987 | 1 060 229 | 1 046 474 |
| | V | 348 692 | 369 528 | 393 414 | 412 417 | 440 168 | 507 978 | 484 856 | 476 557 | 423 925 | 455 687 |
| | Scallops, pectens | | | | | | | | | | |
| 55 | Coquilles St. Jacques | | | | | | | | | | |
| | Vieiras | | | | | | | | | | |
| | Q | 78 588 | 122 471 | 164 274 | 196 757 | 305 458 | 310 881 | 340 728 | 379 315 | 549 035 | 975 578 |
| | V | 100 232 | 167 933 | 242 918 | 332 036 | 531 729 | 537 776 | 547 086 | 617 444 | 880 755 | 1 510 119 |
| | Clams, cockles, arkshells | | | | | | | | | | |
| 56 | Clams, coques, arches | | | | | | | | | | |
| | Almejas, berberechos, arcas | | | | | | | | | | |
| | Q | 303 504 | 338 618 | 428 266 | 434 909 | 448 757 | 465 007 | 491 043 | 574 614 | 748 430 | 901 374 |
| | V | 292 915 | 326 459 | 416 593 | 498 188 | 620 530 | 660 726 | 705 819 | 781 445 | 1 046 121 | 1 155 768 |
| | Squids, cuttlefishes, octopuses | | | | | | | | | | |
| 57 | Encornets, seiches, poulpes | | | | | | | | | | |
| | Calamares, jibias, pulpos | | | | | | | | | | |
| | Q | . | . | . . . | . . . | . . | | 27 | 20 | 0 | 0 |
| | V | | . | . | | | | 135 | 100 | 0 | 0 |
| | Miscellaneous marine molluscs | | | | | | | | | | |
| 58 | Mollusques marins divers | | | | | | | | | | |
| | Moluscos marinos diversos | | | | | | | | | | |
| | Q | 37 911 | 45 686 | 73 748 | 111 215 | 128 109 | 143 912 | 157 250 | 151 717 | 144 116 | 171 214 |
| | V | 16 960 | 20 847 | 33 890 | 51 650 | 64 490 | 72 019 | 78 828 | 81 602 | 75 693 | 91 674 |

## B-0 Aquaculture production by species groups
## Production de l'aquaculture par groupes d'espèces
## Producción de acuicultura por grupos de especies

Q = mt
V = US$'000

| Species group<br>Groupe d'espèces<br>Grupo de especie | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Frogs and other amphibians | | | | | | | | | | | |
| 71 Grenouilles et autres amphibies | | | | | | | | | | | |
| Ranas y otros anfibios | | | | | | | | | | | |
| | Q | - | 4 | 15 | 20 | 5 | 333 | 139 | 206 | 915 | 2 236 |
| | V | - | 6 | 22 | 31 | 12 | 1 644 | 831 | 1 036 | 2 336 | 6 240 |
| Turtles | | | | | | | | | | | |
| 72 Tortues | | | | | | | | | | | |
| Tortugas | | | | | | | | | | | |
| | Q | 718 | 709 | 760 | 809 | 825 | 879 | 900 | 836 | 902 | 1 126 |
| | V | 5 821 | 5 904 | 8 657 | 10 686 | 14 248 | 15 223 | 15 728 | 15 358 | 15 766 | 16 247 |
| Crocodiles and alligators | | | | | | | | | | | |
| 73 Crocodiles et alligators | | | | | | | | | | | |
| Cocodrilos y aligatores | | | | | | | | | | | |
| | Q | 0 | 10 | 1 | 10 | 38 | 62 | 60 | 70 | 61 | 65 |
| | V | 0 | 114 | 11 | 123 | 420 | 818 | 763 | 1 039 | 820 | 713 |
| Sea-squirts and other tunicates | | | | | | | | | | | |
| 74 Ascidiens et autres tuniciers | | | | | | | | | | | |
| Ascidias y otros tunicados | | | | | | | | | | | |
| | Q | 9 060 | 16 729 | 23 757 | 17 420 | 23 660 | 34 760 | 28 060 | 13 705 | 12 685 | 22 178 |
| | V | 2 673 | 6 762 | 9 684 | 11 507 | 14 755 | 24 362 | 12 108 | 9 760 | 9 816 | 30 009 |
| Miscellaneous aquatic invertebrates | | | | | | | | | | | |
| 77 Invertébrés aquatiques divers | | | | | | | | | | | |
| Invertebrados acuáticos diversos | | | | | | | | | | | |
| | Q | 11 575 | 10 578 | 5 657 | 9 225 | 9 291 | 12 767 | 11 801 | 10 518 | 7 409 | 9 308 |
| | V | 9 313 | 5 776 | 2 623 | 8 666 | 12 780 | 11 335 | 12 666 | 16 539 | 13 214 | 18 304 |
| Pearls, mother-of-pearl, shells | | | | | | | | | | | |
| 81 Perles, nacres, coquilles | | | | | | | | | | | |
| Perlas, madreperlas, conchas | | | | | | | | | | | |
| | Q | 75 449 | 71 642 | 77 398 | 76 828 | 80 964 | 79 284 | 80 746 | 78 828 | 80 044 | 85 651 |
| | V | 974 445 | 915 446 | 977 614 | 976 200 | 1 037 067 | 1 022 614 | 1 029 836 | 1 013 453 | 1 008 842 | 1 082 467 |
| Sponges | | | | | | | | | | | |
| 83 Eponges | | | | | | | | | | | |
| Esponjas | | | | | | | | | | | |
| | Q | | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | V | | | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 10 |
| Brown seaweeds | | | | | | | | | | | |
| 91 Algues brunes | | | | | | | | | | | |
| Algas pardas | | | | | | | | | | | |
| | Q | 2 522 923 | 2 510 740 | 2 269 880 | 2 002 430 | 2 077 004 | 2 214 398 | 2 033 418 | 2 674 870 | 3 640 344 | 4 259 421 |
| | V | 1 796 642 | 1 786 487 | 1 555 555 | 1 407 453 | 1 561 008 | 1 806 750 | 1 698 787 | 2 253 024 | 2 743 859 | 3 024 765 |
| Red seaweeds | | | | | | | | | | | |
| 92 Algues rouges | | | | | | | | | | | |
| Algas rojas | | | | | | | | | | | |
| | Q | 847 977 | 802 693 | 888 246 | 805 194 | 1 011 729 | 1 019 656 | 972 698 | 1 101 438 | 1 207 953 | 1 324 755 |
| | V | 753 487 | 724 939 | 1 043 957 | 996 493 | 1 427 614 | 1 123 768 | 988 830 | 1 279 891 | 1 220 899 | 1 188 238 |

## B-0 Aquaculture production by species groups
## Production de l'aquaculture par groupes d'espèces
## Producción de acuicultura por grupos de especies

Q = mt
V = US$'000

| Species group<br>Groupe d'espèces<br>Grupo de especie | | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Green seaweeds and other algae | | | | | | | | | | |
| 93 | Algues vertes et autres algues | | | | | | | | | | |
| | Algas verdes y otras algas | | | | | | | | | | |
| | Q | 13 515 | 21 936 | 21 476 | 20 838 | 24 054 | 26 238 | 29 934 | 31 394 | 38 218 | 35 532 |
| | V | 6 339 | 8 773 | 6 683 | 7 573 | 10 690 | 13 091 | 19 352 | 19 468 | 19 344 | 25 184 |
| | Miscellaneous aquatic plants | | | | | | | | | | |
| 94 | Plantes aquatiques diverses | | | | | | | | | | |
| | Diversas plantas acuáticas | | | | | | | | | | |
| | Q | 62 109 | 98 894 | 221 154 | 195 682 | 238 043 | 155 583 | 241 267 | 318 639 | 469 543 | 635 608 |
| | V | 86 680 | 152 748 | 394 234 | 348 340 | 418 717 | 276 398 | 433 737 | 617 239 | 908 433 | 1 127 955 |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Freshwater bream** | **Brème** | | | **Brema común** | | | *Abramis brama* | | 1,40(02)001,02 | | **FBM** |
| MacedoniaFYR | | | | | | | | | | | 121 |
| Ukraine | | | | | | | | | | - | 21 |
| *Species total* | *Q* | | | | | | | | | - | *142* |
| | *V* | | | | | | | | | - | *276* |
| **Common carp** | **Carpe commune** | | | **Carpa** | | | *Cyprinus carpio* | | 1,40(02)002,01 | | **FCP** |
| Albania | | 10 | 20 | 48 | 42 | 62 | 126 | 76 F | 23 F | 13 F | 15 F |
| Algeria | | 2 | 3 | 4 | 36 | 89 | 242 | 191 | 46 | 113 | 110 F |
| Armenia | | ... | ... | ... | | | | | | 1 720 F | 1 650 F |
| Austria | | 1 000 | 1 100 | 1 160 | 1 200 | 1 300 | 1 250 | 1 250 | 1 250 | 1 200 | 1 200 |
| Belgium | | 10 | 20 | 20 | 20 | 20 | 25 | 25 | 100 | 100 | 100 |
| Bolivia | | ... | ... | ... | 10 | 10 | 20 F | 30 | 21 | 29 | 45 |
| Brunei Darus | | ... | ... | 0 | 1 | 1 | 1 | 1 F | 1 | 1 | 1 |
| Bulgaria | | 12 584 | 7 633 | 8 621 | 10 024 | 9 527 | 9 200 | 6 189 | 6 125 | 6 324 | 6 210 |
| Cambodia | | 303 F | 900 F | 660 F | 750 F | 1 381 F | 2 215 F | 2 156 F | 2 160 F | 2 720 F | 2 765 F |
| Cameroon | | 95 | 26 | 31 | 34 | 42 | 30 F | 20 F | 10 F | 5 F | 3 |
| Canada | | ... | ... | | | 10 | 10 | 10 F | 5 F | 5 F | 5 F |
| China | | 181 100 | 237 900 | 354 200 | 522 600 | 584 600 | 460 532 | 522 369 | 594 476 | 706 119 | 891 624 |
| Colombia | | 5 | 5 | 5 | 8 | 12 | 40 | 50 | 80 | 50 | 60 |
| Croatia | | ... | .. | | | | ... | | ... | 5 049 | 3 160 |
| Cuba | | 252 | 239 | 140 | 198 | 395 | 469 | 516 | 434 | 331 | 135 |
| Czech Rep | | ... | ... | ... | | | | | ... | | 20 626 |
| Czechoslovak | | 15 500 | 15 896 | 17 030 | 16 652 | 17 240 | 17 628 | 18 754 | 18 186 | 20 198 | - |
| Dominican Rp | | ... | ... | ... | | 0 | 4 F | 40 F | 162 | 150 | 182 |
| Egypt | | 3 000 F | 5 000 F | 5 000 F | 5 000 F | 6 000 F | 6 000 F | 6 000 | 7 300 | 7 300 | 3 036 |
| El Salvador | | | | | | | | | | 2 | 1 |
| Estonia | | ... | ... | ... | | | | | | 234 | 33 |
| France | | 2 000 | 3 270 | 4 370 | 4 000 | 4 335 | 4 500 | 4 500 | 4 500 | 5 000 | 5 000 |
| Georgia | | ... | ... | ... | | | | | ... | 850 F | 800 F |
| Germany | | 18 667 | 19 739 | 19 021 | 18 211 | 19 360 | 21 331 | 19 145 | 17 350 | 13 300 | 12 700 |
| Greece | | 300 | 100 | 130 | 270 | 300 | 300 | 250 | 221 | 218 | 144 |
| Guam | | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Guatemala | | ... | 0 | 4 | 5 | 5 | 5 | 6 | 33 | 19 | 17 |
| Hong Kong | | 650 | 980 | 920 | 1 140 | 1 090 | 950 | 920 | 880 | 840 | 827 |
| Hungary | | 16 272 | 10 113 | 9 713 | 11 406 | 12 542 | 15 029 | 13 192 | 10 500 | 10 124 | 6 870 |
| Indonesia | | 50 297 | 51 550 | 68 130 | 87 836 | 85 000 F | 88 000 F | 89 249 | 84 364 | 93 508 | 97 300 |
| Iran I R | | 7 269 | 7 687 | 7 872 | 9 479 | 9 500 F | 11 000 F | 15 239 | 5 502 | 14 783 | 4 206 |
| Iraq | | 4 476 | 4 500 F | 4 564 | 4 500 F | 5 000 | 5 000 F | 4 000 F | 3 000 F | 1 562 | 1 600 F |
| Israel | | 6 857 | 6 892 | 7 590 | 8 215 | 8 673 | 8 074 | 7 902 | 7 674 | 7 555 | 7 275 |
| Italy | | 700 | 800 | 800 | 500 | 500 | 375 F | 375 | 375 | 350 | 350 |
| Japan | | 21 071 | 19 105 | 17 939 | 19 375 | 18 130 | 17 479 | 16 309 | 16 160 | 15 061 | 13 543 |
| Jordan | | 10 F | 15 F | 20 | 20 | 20 | 15 | 20 | 5 | 6 | 15 |
| Kenya | | 3 | 4 | 7 | 5 | 82 | 187 | 293 | 271 | 282 | 289 |
| Korea Rep | | 448 | 676 | 2 869 | 4 531 | 6 375 | 7 299 | 10 778 | 8 416 | 13 212 | 11 529 |
| Laos | | | | | | | | | | 1 750 F | 1 500 F |
| Latvia | | | | | | | | | | 619 | 334 |
| Lesotho | | 11 | 20 | 20 | 23 | 25 | 20 F | 15 F | 10 F | 10 F | 10 F |
| Lithuania | | | | | | | | | | 3 899 | 2 907 |
| MacedoniaFYR | | ... | ... | ... | ... | | | | | | 172 |
| Madagascar | | 186 | 210 | 145 | 156 | 187 | 190 F | 200 F | 200 | 622 | 300 F |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Malawi | | 4 | 3 | 9 | 3 | 4 | 5 F | 8 F | 14 | 14 F | 15 F |
| Malaysia | | 201 | 247 | 259 | 143 | 967 | 1 049 | 1 283 | 1 283 | 1 703 | 1 000 |
| Mexico | | 504 | 559 | 940 | 1 327 | 1 372 | 1 141 | 1 402 | 1 430 | 1 440 | 1 276 |
| Morocco | | 40 | 10 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| Mozambique | | . | .. | ... | 4 | 4 | 4 F | 5 F | 4 F | 2 F | 0 |
| Myanmar | | ... | ... | .. | .. | ... | 36 | 60 | 60 | 65 F | 85 |
| Nepal | | 650 F | 949 | 1 040 | 1 490 | 1 705 | 1 761 | 2 310 | 2 498 | 2 349 | 2 374 |
| Nicaragua | | ... | ... | 0 | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 |
| Nigeria | | 186 | 229 | 273 | 300 | 2 837 | 4 548 | 511 | 111 | 800 | 800 F |
| Other Asia | | 5 646 | 4 833 | 4 609 | 4 387 | 3 935 | 3 789 | 3 369 | 3 552 | 2 714 | 3 657 |
| Panama | | 8 F | 26 F | 48 | 65 | 52 | 31 | 29 | 25 | 29 | 24 |
| Papua N Guin | | .. | .. | .. | ... | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| Paraguay | | ... | .. | ... | ... | 27 | 25 F | 25 F | 25 F | 30 F | 30 F |
| Peru | | ... | ... | .. | .. | .. | ... | 35 | 35 | 30 | 41 |
| Poland | | 17 985 | 18 189 | 16 714 | 18 472 | 21 824 | 21 824 | 22 000 | 25 000 | 25 000 | 13 600 |
| Russian Fed. | | .. | .. | ... | ... | . | .. | ... | ... | 70 295 | 58 370 |
| Rwanda | | . | 4 | 10 F | 9 F | 10 F | 7 F | 5 F | 4 F | 6 | 6 F |
| Saudi Arabia | | ... | .. | ... | .. | ... | .. | 10 | 10 | 10 | 10 |
| Slovakia | | .. | ... | ... | .. | ... | .. | ... | ... | ... | 800 |
| South Africa | | ... | ... | .. | ... | 5 | 10 | 20 | 35 | 48 | 48 F |
| Sweden | | 2 | 1 | .. | . | 0 | 0 | 0 | 0 | 0 | 0 |
| Switzerland | | ... | ... | ... | ... | ... | 30 | 30 | 30 | 30 | 35 |
| Syria | | 1 200 F | 1 205 | 1 289 | 1 289 F | 1 289 F | 1 500 F | 2 133 | 2 400 F | 3 850 F | 3 900 F |
| Thailand | | 1 212 | 1 549 | 1 858 | 2 132 | 2 473 | 1 967 | 2 100 | 2 474 | 2 386 | 2 433 |
| Turkey | | 1 624 | 1 800 | 2 050 | 2 100 | 2 200 | 1 033 | 1 025 | 364 | 251 | 250 F |
| Uganda | | 26 | 20 | 14 | 11 | 10 | 15 F | 20 F | 25 F | 35 F | 40 |
| Ukraine | | .. | .. | .. | . | .. | | . | .. | 44 682 | 43 937 |
| Uruguay | | . | .. | .. | ... | ... | .. | | | 1 | 1 |
| Uzbekistan | | ... | ... | ... | . | .. | .. | ... | ... | 7 011 | 7 573 |
| UK Engld Wal | | 50 | 150 | 100 | 120 | 120 F | 200 | 50 | 50 | 50 | 16 |
| USSR | | 198 091 | 215 530 | 232 235 | 246 860 | 252 877 | 255 721 | 319 782 | 341 117 | - | - |
| Yugoslav SFR | | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 11 743 F | 6 000 F | - | - |
| YugoslaviaFR | | ... | ... | .. | . | . | . | | ... | 1 350 F | 1 400 F |
| Zambia | | 3 | 9 | 8 | 31 | 33 | 40 F | 60 F | 100 F | 150 F | 175 |
| *Species total* | *Q* | *580 511* | *649 717* | *802 497* | *1 014 995* | *1 093 567* | *982 288* | *1 108 091* | *1 176 491* | *1 099 569* | *1 240 551* |
| | *V* | *786 692* | *905 556* | *1 212 981* | *1 611 842* | *1 730 211* | *1 701 901* | *1 921 206* | *1 884 233* | *1 833 117* | *1 772 130* |

| **Tench** | **Tanche** | | | **Tenca** | | ***Tinca tinca*** | | | **1,40(02)007,01** | | **FTE** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Croatia | | ... | . | . | | . | | . | | 9 | 5 |
| Czech Rep | | ... | . | ... | ... | .. | | ... | ... | ... | 278 |
| Czechoslovak | | 322 | 482 | 378 | 419 | 428 | 466 | 374 | 322 | 318 | - |
| France | | ... | 450 | 1 170 | 1 000 | 1 200 | 120 | 120 | 120 | - | - |
| Germany | | .. | ... | 20 | 50 | 60 | 69 | 69 | 70 | 69 | 70 |
| Hungary | | ... | | 13 | | 13 | 7 | 3 | 4 | 6 | 0 |
| MacedoniaFYR | | ... | ... | ... | ... | .. | ... | .. | . | . | 3 |
| Spain | | 150 F | 250 F | 300 F | 350 F | 450 | 463 | 350 | 396 | 403 | 400 F |
| *Species total* | *Q* | *472* | *1 182* | *1 881* | *1 819* | *2 151* | *1 125* | *916* | *912* | *805* | *756* |
| | *V* | *1 105* | *3 042* | *5 810* | *6 021* | *4 559* | *2 781* | *2 300* | *2 892* | *2 616* | *2 490* |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Crucian carp** | **Carassin(=Cyprin)** | | | **Carpín** | | ***Carassius carassius*** | | | **1,40(02)016,01** | | **FCC** |
| Albania | | 10 | 10 | 12 | 5 | 2 | 7 | 5 F | 2 F | 1 F | 1 F |
| China | | 54 300 | 71 400 | 88 500 | 104 500 | 116 900 | 205 044 | 211 584 | 218 908 | 254 323 | 291 529 |
| Czech Rep | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 |
| Ethiopia | | ... | ... | ... | ... | ... | 1 | 1 F | 1 F | 1 F | 1 F |
| Japan | | 1 492 | 1 455 | 1 709 | 1 463 | 1 532 | 1 236 | 1 191 | 1 210 | 1 079 | 1 080 |
| Korea Rep | | 61 | 94 | 101 | 47 | 212 | 92 | 32 | 58 | 11 | 0 |
| Other Asia | | 3 132 | 3 008 | 2 969 | 2 900 | 3 157 | 2 710 | 2 766 | 2 286 | 1 783 | 1 899 |
| *Species total* | *Q* | *58 995* | *75 967* | *93 291* | *108 915* | *121 803* | *209 090* | *215 579* | *222 465* | *257 198* | *294 518* |
| | *V* | *90 609* | *77 465* | *130 763* | *216 703* | *157 949* | *268 705* | *276 416* | *285 938* | *311 907* | *327 322* |
| **Goldfish** | **Poisson rouge(=Cyprin doré)** | | | **Pez rojo** | | ***Carassius auratus*** | | | **1,40(02)016,02** | | **CGO** |
| Armenia | | ... | ... | ... | ... | ... | ... | ... | ... | 266 F | 250 F |
| Australia | | ... | ... | 1 | 1 | 1 | 1 | 1 | 2 F | 2 | 2 F |
| Korea Rep | | 5 | 17 | 4 | 51 | 195 | 246 | 182 | 13 | 236 | 159 |
| Lithuania | | ... | ... | ... | ... | ... | ... | ... | ... | 13 | 8 |
| Portugal | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| South Africa | | ... | ... | ... | ... | 15 | 21 | 23 | 25 | 32 | 35 F |
| Ukraine | | ... | ... | ... | ... | ... | ... | ... | ... | - | 309 |
| *Species total* | *Q* | *5* | *17* | *5* | *52* | *211* | *268* | *206* | *40* | *549* | *764* |
| | *V* | *25* | *78* | *89* | *279* | *4 065* | *5 518* | *5 495* | *4 724* | *9 386* | *9 136* |
| **Roaches** | **Gardons** | | | **Rutilos** | | ***Rutilus spp*** | | | **1,40(02)018** | | **FRX** |
| Albania | | ... | ... | ... | ... | ... | 5 | 3 F | 2 F | 1 F | 1 F |
| France | | ... | 370 | 1 870 | 2 000 | 2 200 | 2 500 | 2 500 | 2 500 | 2 500 | 2 500 |
| *Species total* | *Q* | ... | *370* | *1 870* | *2 000* | *2 200* | *2 505* | *2 503* | *2 502* | *2 501* | *2 501* |
| | *V* | ... | *747* | *4 870* | *5 996* | *4 071* | *6 255* | *6 253* | *6 252* | *6 251* | *6 251* |
| **Roho labeo** | **...B** | | | **...C** | | ***Labeo rohita*** | | | **1,40(02)024,15** | | **LRH** |
| India | | 131 000 F | 144 000 F | 157 000 F | 183 000 F | 209 000 F | 235 000 F | 235 559 | 288 096 | 301 816 | 308 530 F |
| Laos | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| Myanmar | | 4 290 F | 5 044 | 5 797 | 5 487 | 5 668 | 6 904 | 6 969 | 4 123 | 4 290 F | 6 486 |
| Thailand | | 489 | 796 | 755 | 840 | 1 650 | 965 | 900 | 988 | 1 137 | 1 160 |
| *Species total* | *Q* | *135 779* | *149 840* | *163 552* | *189 327* | *216 318* | *242 869* | *243 428* | *293 207* | *308 993* | *317 676* |
| | *V* | *96 127* | *92 156* | *119 415* | *156 359* | *202 123* | *256 300* | *378 875* | *352 123* | *340 751* | *363 142* |
| **Mud carp** | **...B** | | | **...C** | | ***Cirrhinus mulitorella*** | | | **1,40(02)025,02** | | **MUC** |
| China | | 36 200 | 47 600 | 57 000 | 69 700 | 77 900 | 77 900 | 80 000 | 80 000 | 81 000 | 100 000 |
| Other Asia | | 182 | 206 | 226 | 120 | 265 | 419 | 289 | 121 | 50 | 136 |
| *Species total* | *Q* | *36 382* | *47 806* | *57 226* | *69 820* | *78 165* | *78 319* | *80 289* | *80 121* | *81 050* | *100 136* |
| | *V* | *36 407* | *47 817* | *57 251* | *71 249* | *79 780* | *79 533* | *80 265* | *80 194* | *81 079* | *100 221* |

# B-11 Carps, barbels and other cyprinids
# Carpes, barbeaux et autres cyprinidés
# Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mrigal carp** | ...B | | | ...C | | *Cirrhinus mrigala* | | | 1,40(02)025,03 | | CMG |
| India | | 88 000 F | 97 000 F | 106 000 F | 123 000 F | 141 000 F | 158 000 F | 158 598 | 187 560 | 293 182 | 299 690 F |
| Laos | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 1 750 F | 1 500 F |
| Myanmar | | . . . | . . . | . . | . . . | . . . | . . . | 9 | 15 F | 30 F | 48 |
| Thailand | | 3 | 81 | 101 | 109 | 224 | 217 | 250 | 212 | 304 | 310 |
| *Species total* | Q | *88 003* | *97 081* | *106 101* | *123 109* | *141 224* | *158 217* | *158 857* | *187 787* | *295 266* | *301 548* |
| | V | *52 803* | *58 272* | *74 292* | *98 506* | *127 121* | *158 203* | *254 130* | *230 972* | *305 676* | *304 182* |
| **Bighead carp** | Carpe marbrée | | | ...C | | *Aristichthys nobilis* | | | 1,40(02)027,01 | | BIC |
| Brunei Darus | | . . . | . . . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cambodia | | 30 F | 100 F | 70 F | 75 F | 150 F | 180 F | 180 F | 180 F | 230 F | 235 F |
| China | | 362 200 | 475 800 | 590 300 | 627 100 | 701 500 | 628 730 | 658 205 | 680 434 | 770 352 | 901 942 |
| Croatia | | . . . | . . . | . . . | . . . | . . | . . | . | . . | 93 | 69 |
| Czech Rep | | . . . | . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 265 |
| Germany | | 72 | 64 | 133 | 93 | 118 | 161 | 24 | 20 | 24 | 35 |
| Hong Kong | | 1 365 | 1 275 | 1 150 | 1 300 | 1 290 | 1 130 | 1 220 | 1 180 | 1 100 | 825 |
| Hungary | | . . . | 2 543 | 2 520 | 1 877 | 1 642 | 2 051 | 465 | 434 | 821 | 289 |
| Iran I R | | 600 F | 649 F | 928 F | 1 221 F | 1 500 F | 1 500 F | 1 808 | 983 | 1 666 | 1 052 |
| Laos | | . . . | . . | . . . | . . . | . . . | . . . | . . . | . . . | 1 750 F | 1 500 F |
| Malaysia | | 843 | 1 259 | 735 | 779 | 394 | 406 | 764 | 763 | 1 221 | 439 |
| Myanmar | | . . | . . . | . . | . . . | . . . | . . . | 30 | 30 | 40 F | 35 |
| Nepal | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 1 507 | 1 412 | 1 417 |
| Other Asia | | 11 558 | 12 106 | 11 454 | 9 892 | 10 976 | 8 939 | 8 763 | 8 595 | 7 735 | 6 761 |
| Panama | | 0 | 1 F | 2 | 4 | 16 | 2 | 1 | 2 | 3 | 4 |
| Ukraine | | . . . | . . . | . . . | . . . | . . . | . | . | . | 4 260 | 4 385 |
| *Species total* | Q | *376 668* | *493 797* | *607 292* | *642 341* | *717 586* | *643 099* | *671 460* | *694 128* | *790 707* | *919 253* |
| | V | *385 175* | *503 896* | *620 955* | *661 797* | *745 725* | *673 125* | *704 857* | *721 428* | *817 537* | *897 056* |
| **Catla** | ...B | | | ...C | | *Catla catla* | | | 1,40(02)030,01 | | CTT |
| India | | 129 000 F | 142 000 F | 155 000 F | 181 000 F | 207 000 F | 233 000 F | 234 000 | 289 925 | 299 803 | 306 460 F |
| Laos | | . . . | . . . | . . . | . . | . . . | . . | . . | . . . | 1 750 F | 1 500 F |
| Myanmar | | . . . | . . . | . . | . . . | . | . . | 3 | 3 F | 3 F | 4 |
| *Species total* | Q | *129 000* | *142 000* | *155 000* | *181 000* | *207 000* | *233 000* | *234 003* | *289 928* | *301 556* | *307 964* |
| | V | *77 400* | *85 200* | *108 500* | *144 800* | *186 300* | *233 000* | *321 060* | *297 187* | *289 205* | *310 234* |
| **Grass carp(=White amur)** | Carpe herbivore(=chinoise) | | | ...C | | *Ctenopharyngodon idellus* | | | 1,40(02)035,01 | | FCG |
| Albania | | . . . | . . . | . . | . . . | . . . | 7 | 6 F | 2 F | 1 F | 1 F |
| Brunei Darus | | . . . | . . . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cambodia | | 72 F | 200 F | 150 F | 175 F | 310 F | 378 F | 358 F | 360 F | 450 F | 474 F |
| China | | 271 700 | 356 900 | 422 700 | 522 600 | 584 600 | 934 537 | 1 023 199 | 1 045 962 | 1 231 845 | 1 464 945 |
| Croatia | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 171 | 154 |
| Cuba | | 0 | 7 | 17 | 37 | 42 | 31 | 42 | 45 | 48 | 23 |
| Czech Rep | | . . . | . . . | . . . | . . . | . . . | . . . | . . | . . . | . . . | 471 |
| Czechoslovak | | . . . | . . . | . . | . . | . . . | | | 138 | . . . | - |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fiji | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 F | 5 F | 0 |
| Germany | | 35 | 52 | 72 | 81 | 64 | 44 | 22 | 20 | 22 | 29 |
| Hong Kong | | 1 040 | 705 | 860 | 900 | 910 | 850 | 860 | 830 | 770 | 904 |
| Hungary | | | 349 | 482 | 422 | 383 | 343 | 406 | 369 | 450 | 316 |
| Iran I R | | 4 000 F | 3 000 F | 4 200 F | 5 300 F | 6 500 F | 6 500 F | 8 387 | 3 143 | 6 455 | 3 155 |
| Israel | | 28 | 31 | 26 | 36 | 44 | 18 | 0 | 0 | 0 | 11 |
| Laos | | . | . | . | . | ... | . | . | ... | 1 750 F | 1 500 F |
| MacedoniaFYR | | . | ... | ... | . | . | . | . | ... | | 8 |
| Malaysia | | 1 707 | 1 784 | 1 521 | 779 | 967 | 1 124 | 1 131 | 1 108 | 913 | 927 |
| Myanmar | | | | | | . | . | 5 | 6 F | 7 F | ▮ |
| Nepal | | | ... | ... | | . . | . . | . . | 495 | 466 | 470 |
| Other Asia | | 8 841 | 8 989 | 8 702 | 10 030 | 12 020 | 9 577 | 9 874 | 8 727 | 8 773 | 8 053 |
| Panama | | 6 F | 20 F | 37 | 53 | 27 | 30 | 29 | 56 | 15 | 30 |
| Russian Fed | | | . | . | | | | . | ... | 500 | 520 |
| Ukraine | | | | ... | . | . | . | | ... | 200 | 193 |
| USSR | | 993 | 1 092 | 1 070 | 1 119 | 158 | 365 | 2 669 | 1 873 | - | - |
| *Species total* | *Q* | *288 423* | *373 129* | *439 837* | *541 532* | *606 025* | *953 804* | *1 046 988* | *1 063 139* | *1 252 841* | *1 482 192* |
| | *V* | *363 109* | *470 964* | *561 344* | *704 287* | *806 365* | *1 247 374* | *1 393 514* | *1 318 139* | *1 458 893* | *1 526 852* |

| **Silver carp** | **Carpe argentée** | | | ...C | | *Hypophthalmichthys molitrix* | | | 1,40(02)043,01 | | SVC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Albania | | 250 | 250 | 300 | 272 | 302 | 346 | 221 F | 129 F | 78 F | 80 F |
| Brunei Darus | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bulgaria | | 950 | 1 709 | 2 127 | 959 | 960 F | 960 F | 960 F | 987 | 1 073 | 975 |
| Cambodia | | 100 F | 300 F | 220 F | 250 F | 460 F | 550 F | 540 F | 540 F | 680 F | 710 F |
| China | | 999 300 | 999 300 | 1 180 600 | 1 324 000 | 1 481 000 | 1 336 050 | 1 398 683 | 1 360 969 | 1 540 704 | 1 806 592 |
| Croatia | | | ... | ... | | . . | . | . | ... | 122 | 146 |
| Cuba | | 235 F | 213 | 257 | 526 | 803 | 1 360 | 2 315 | 2 973 | 3 286 | 5 223 |
| Czech Rep | | | | | | .. | | . | . . | . | 254 |
| Dominican Rp | | - | - | - | - | - | - | - | - | - | 7 |
| Georgia | | | ... | ... | | | ... | | | 40 F | 40 F |
| Germany | | 81 | 112 | 141 | 282 | 413 | 791 | 220 | 190 | 220 | 230 |
| Honduras | | . | | | . | 2 | 104 | 4 | 10 | 18 | 10 |
| Hong Kong | | 845 | 640 | 570 | 550 | 590 | 450 | 490 | 470 | 410 | 626 |
| Hungary | | | 4 350 | 3 207 | 3 674 | 2 961 | 2 582 | 2 990 | 2 794 | 2 602 | 1 830 |
| Iran I R | | 6 000 F | 5 700 F | 7 000 F | 8 000 F | 10 500 F | 11 000 F | 15 490 | 10 019 | 16 242 | 12 619 |
| Israel | | 661 | 837 | 795 | 781 | 689 | 671 | 572 | 286 | 365 | 545 |
| Laos | | | | | | ... | | . | .. | 1 750 F | 1 500 F |
| Myanmar | | .. | . | | | .. | | 7 | 15 F | 25 F | 33 |
| Nepal | | | | | | . | ... | ... | 3 005 | 2 818 | 2 835 |
| Other Asia | | | . | ... | . | . | 2 276 | 1 374 | 1 455 | 1 418 | 1 088 |
| Panama | | 21 F | 69 F | 126 | 178 | 94 | 45 | 138 | 113 | 30 | 16 |
| Russian Fed | | ... | ... | ... | | . | ... | ... | ... | 31 261 | 30 723 |
| Thailand | | 1 220 | 1 011 | 1 774 | 1 602 | 1 047 | 875 | 1 000 F | 1 157 | 1 264 | 1 290 |
| Ukraine | | | | | | | | . | . | 9 941 | 10 231 |
| Uzbekistan | | ... | ... | ... | | . | ... | ... | ... | 11 740 | 11 418 |
| USSR | | 60 000 F | 65 000 F | 78 198 | 88 262 | 98 342 | 87 095 | 70 354 | 77 109 | - | - |
| *Species total* | *Q* | *1 069 663* | *1 079 491* | *1 275 315* | *1 429 336* | *1 598 163* | *1 445 155* | *1 495 358* | *1 462 221* | *1 626 087* | *1 889 021* |
| | *V* | *1 097 208* | *1 114 554* | *1 353 049* | *1 540 296* | *1 761 410* | *1 631 298* | *1 745 487* | *1 683 947* | *1 834 477* | *1 955 976* |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Golden shiner** | ...B | | | | ...C | | *Notemigonus crysoleucas* | | | 1,40(02)049,01 | | NMC |
| USA | | | 19 000 | 7 776 | 7 776 | 11 818 | 8 500 F | 8 500 F | 9 802 | 9 608 | 9 352 | 9 332 |
| *Species total* | | Q | *19 000* | *7 776* | *7 776* | *11 818* | *8 500* | *8 500* | *9 802* | *9 608* | *9 352* | *9 332* |
| | | V | *147 250* | *47 045* | *47 045* | *71 499* | *51 850* | *51 850* | *54 009* | *55 919* | *61 162* | *62 991* |
| **Nilem carp** | ...B | | | | ...C | | *Osteochilus hasselti* | | | 1,40(02)051,01 | | FCN |
| Indonesia | | | 10 278 | 9 590 | 16 210 | 16 397 | 10 648 | 15 000 F | 14 428 | 9 717 | 10 397 | 11 500 |
| *Species total* | | Q | *10 278* | *9 590* | *16 210* | *16 397* | *10 648* | *15 000* | *14 428* | *9 717* | *10 397* | *11 500* |
| | | V | *9 250* | *11 508* | *25 936* | *29 515* | *21 296* | *37 500* | *36 070* | *25 264* | *27 032* | *29 900* |
| **Isok barb** | ...B | | | | ...C | | *Probarbus jullieni* | | | 1,40(02)053,01 | | PRJ |
| Thailand | | | 17 | 9 | 1 | 12 | 13 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | | Q | *17* | *9* | *1* | *12* | *13* | *0* | *0* | *0* | *0* | *0* |
| | | V | *10* | *6* | *1* | *7* | *7* | *0* | *0* | *0* | *0* | *0* |
| **White amur bream** | ...B | | | | ...C | | *Parabramis pekinensis* | | | 1,40(02)076,01 | | WAB |
| China | | | 119 000 | 119 000 | 147 600 | 174 200 | 194 900 | 144 358 | 161 615 | 153 309 | 181 516 | 218 921 |
| *Species total* | | Q | *119 000* | *119 000* | *147 600* | *174 200* | *194 900* | *144 358* | *161 615* | *153 309* | *181 516* | *218 921* |
| | | V | *151 130* | *151 130* | *187 452* | *221 234* | *247 523* | *183 335* | *205 251* | *199 302* | *235 971* | *284 597* |
| **Hoven's carp** | ...B | | | | ...C | | *Leptobarbus hoeveni* | | | 1,40(02)132,01 | | FCH |
| Cambodia | | | 30 F | 90 F | 66 F | 75 F | 138 F | 166 F | 162 F | 160 F | 200 F | 235 F |
| Malaysia | | | 1 | 127 | 196 | 43 | 213 | 244 | 56 | 56 | 481 | 477 |
| *Species total* | | Q | *31* | *217* | *262* | *118* | *351* | *410* | *218* | *216* | *681* | *712* |
| | | V | *68* | *714* | *972* | *351* | *1 154* | *1 127* | *569* | *647* | *1 978* | *2 842* |
| **Black carp** | ...B | | | | ...C | | *Mylopharyngodon piceus* | | | 1,40(02)144,01 | | BKC |
| China | | | 36 200 | 47 600 | 61 100 | 104 600 | 117 100 | 38 545 | 37 469 | 35 682 | 51 807 | 65 638 |
| Other Asia | | | ... | ... | ... | ... | ... | ... | 383 | 408 | 480 | 950 |
| *Species total* | | Q | *36 200* | *47 600* | *61 100* | *104 600* | *117 100* | *38 545* | *37 852* | *36 090* | *52 287* | *66 588* |
| | | V | *63 350* | *83 300* | *106 925* | *183 050* | *204 925* | *67 454* | *66 469* | *65 052* | *89 155* | *113 591* |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wuchang bream** | ...B | | | ...C | | *Megalobrama amblycephala* | | | 1,40(02)151,01 | | WUB |
| Albania | | | | | | | 1 | 1 F | 0 | 0 | 0 |
| *Species total* | *Q* | | | | | ... | *1* | *1* | *0* | *0* | *0* |
| | *V* | | | | | | *1* | *1* | *0* | *0* | *0* |
| **Thai silver barb** | Barbeau argenté de Thaïlande | | | Barbo plateado de Tailandia | | *Puntius gonionotus* | | | 1,40(02)161,01 | | PTG |
| Brunei Darus | | | .. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cambodia | | 404 F | 1 200 F | 880 F | 1 000 F | 1 840 F | 2 265 F | 2 156 F | 2 160 F | 2 720 F | 2 765 F |
| Malaysia | | 756 | 1 260 | 969 | 747 | 1 929 | 1 748 | 1 790 | 1 790 | 2 505 | 1 481 |
| Thailand | | 4 915 | 7 311 | 8 791 | 11 145 | 12 973 | 13 370 | 14 695 | 16 275 | 23 839 | 24 316 |
| *Species total* | *Q* | *6 075* | *9 771* | *10 640* | *12 892* | *16 742* | *17 383* | *18 641* | *20 225* | *29 064* | *28 562* |
| | *V* | *5 738* | *8 245* | *8 985* | *10 959* | *15 911* | *17 056* | *17 596* | *19 567* | *31 235* | *29 780* |
| **Java barb** | Barbeau de Java | | | Barbo de Java | | *Puntius javanicus* | | | 1,40(02)161,02 | | FJB |
| Indonesia | | 20 355 | 23 120 | 22 877 | 20 092 | 20 800 F | 21 000 F | 28 048 | 19 867 | 21 145 | 22 500 |
| *Species total* | *Q* | *20 355* | *23 120* | *22 877* | *20 092* | *20 800* | *21 000* | *28 048* | *19 867* | *21 145* | *22 500* |
| | *V* | *24 426* | *27 744* | *32 028* | *32 147* | *41 600* | *52 500* | *70 120* | *51 654* | *54 977* | *58 500* |
| **Cyprinids nei** | Cyprinidés nca | | | Ciprinidos nep | | *Cyprinidae* | | | 1,40(02) | | FCY |
| Algeria | | | | | 20 | 14 | 12 | 16 | 20 F | 30 F | 30 F |
| Armenia | | | .. | ... | ... | .. | ... | ... | | 318 F | 300 F |
| Costa Rica | | E | 8 | 8 | 10 F | 10 F | 0 | 0 | 6 | 0 | 0 |
| Ethiopia | | | ... | ... | ... | ... | 5 | 5 F | 5 F | 1 F | 2 F |
| India | | 152 000 F | 167 000 F | 182 000 F | 213 000 F | 243 000 F | 274 000 F | 274 810 | 348 436 | 352 140 | 370 000 F |
| Jamaica | | | .. | ... | ... | ... | 50 F | 60 F | 60 F | 75 F | 100 F |
| Korea D P Rp | | 5 000 | 5 500 | 5 500 | 6 000 | 8 000 | 9 000 F | 10 000 F | 10 000 F | 11 000 F | 11 000 F |
| Korea Rep | | 4 | 13 | 32 | 70 | 138 | 96 | 68 | 30 | 0 | 0 |
| Laos | | 2 500 | 4 000 F | 5 000 F | 6 000 F | 7 000 F | 8 000 F | 10 000 F | 12 000 F | | |
| Libya | | | . | ... | 30 F | 30 F | 50 F | 70 F | 70 F | 80 F | 80 F |
| Mauritius | | | ... | ... | ... | .. | ... | ... | | | 3 |
| Nepal | | 1 347 F | 2 316 | 3 122 | 3 945 | 3 420 | 5 075 | 6 948 | 2 809 | 3 576 | 2 338 |
| Pakistan | | 8 500 F | 8 500 F | 8 500 F | 8 500 F | 6 797 | 9 710 | 10 045 | 12 800 | 12 612 | 13 378 |
| Panama | | 0 | 0 | 1 | 4 | 8 | 0 | 0 | 0 | 0 | 0 |
| Philippines | | 1 207 | 6 965 | 5 529 | 7 637 | 5 851 | 7 220 | 4 780 | 4 897 | 5 484 | 80 |
| Romania | | 37 200 | 38 900 | 38 000 F | 38 000 F | 40 000 F | 38 000 F | 35 000 F | 32 000 F | 26 000 F | 23 000 F |
| South Africa | | | 1 F | 1 F | 2 F | 5 | 5 | 6 | 6 | 6 | 7 F |
| Turkey | | - | - | - | - | - | - | 111 | 33 | 33 | 30 F |
| Ukraine | | ... | ... | ... | | . | ... | ... | ... | 640 | - |
| USA | | 2 090 | 3 500 | 3 700 | | 2 500 F | 2 500 F | 658 | 1 542 | 1 659 | 2 285 |
| *Species total* | *Q* | *209 854* | *236 703* | *251 393* | *283 218* | *316 773* | *353 723* | *352 577* | *424 714* | *413 654* | *422 633* |
| | *V* | *228 522* | *252 652* | *280 556* | *329 490* | *398 021* | *460 865* | *532 415* | *520 269* | *468 584* | *488 190* |

## B-11 Carps, barbels and other cyprinids
## Carpes, barbeaux et autres cyprinidés
## Carpas, barbos y otros ciprínidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pond loach** | **Loche d'étang** | | | **Misgurno** | | | ***Misgurnus anguillicaudatus*** | | **1,40(05)047,01** | | **KUR** |
| Korea Rep | | 2 | 3 | 38 | 15 | 11 | 192 | 197 | 211 | 324 | 231 |
| *Species total* | *Q* | *2* | *3* | *38* | *15* | *11* | *192* | *197* | *211* | *324* | *231* |
| | *V* | *5* | *11* | *173* | *81* | *88* | *1 521* | *1 502* | *1 797* | *3 500* | *2 154* |
| ***Group total*** | ***Q*** | ***3 184 713*** | ***3 564 186*** | ***4 221 764*** | ***4 927 608*** | ***5 470 251*** | ***5 548 851*** | ***5 881 057*** | ***6 146 898*** | ***6 735 542*** | ***7 638 001*** |
| | ***V*** | ***3 616 409*** | ***3 942 102*** | ***4 939 392*** | ***6 096 468*** | ***6 792 054*** | ***7 137 202*** | ***8 073 860*** | ***7 807 500*** | ***8 264 489*** | ***8 647 813*** |

## B-12 Tilapias and other cichlids
## Tilapias et autres cichlidés
## Tilapias y otros cíclidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mozambique tilapia** | **Tilapia du Mozambique** | | | **Tilapia del Mozambique** | | ***Oreochromis mossambicus*** | | | **1,70(59)051,01** | | **TLM** |
| Brunei Darus | | ... | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cambodia | | 23 F | 66 F | 42 F | 50 F | 70 F | 90 F | 110 F | 110 F | 140 F | 150 F |
| Dominican Rp | | 0 | 2 F | 2 F | 2 F | 2 F | 18 F | 60 F | 225 | 240 | 131 |
| Guam | | 30 | 66 | 102 | 125 | 133 | 132 | 128 | 123 | 138 | 149 |
| Guyana | | 14 | 12 | 11 | 13 | 13 F | 15 | 15 F | 15 F | 15 F | 14 F |
| Indonesia | | 23 197 | 35 410 | 15 487 | 25 228 | 34 000 F | 27 000 F | 41 683 | 41 131 | 44 941 | 48 400 |
| Korea Rep | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 391 |
| Malawi | | ... | ... | ... | ... | ... | ... | ... | 13 | 13 F | 15 F |
| Malaysia | | 4 | 313 | 575 | 539 | 2 350 | 2 158 | 201 | 201 | 3 146 | 3 924 |
| Thailand | | 2 346 | 1 432 | 879 | 476 | 320 | 394 | 0 | 0 | 112 | 125 |
| *Species total* | *Q* | *25 614* | *37 301* | *17 098* | *26 433* | *36 888* | *29 807* | *42 197* | *41 818* | *48 745* | *53 299* |
| | *V* | *8 135* | *43 253* | *25 716* | *46 542* | *71 831* | *57 553* | *84 403* | *87 762* | *104 011* | *113 850* |
| **Nile tilapia** | **Tilapia du Nil** | | | **Tilapia del Nilo** | | ***Oreochromis niloticus*** | | | **1,70(59)051,02** | | **TLN** |
| Bolivia | | ... | ... | ... | ... | ... | ... | ... | ... | 51 | 79 |
| Brunei Darus | | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 0 |
| Burkina Faso | | 74 | 33 F | 30 F | 26 F | 7 | 3 | 3 | 2 F | 2 F | 0 |
| Burundi | | 2 | 2 | 21 | 25 | 24 | 25 F | 30 F | 50 | 50 F | 55 F |
| Cambodia | | 7 F | 24 F | 24 F | 25 F | 68 F | 76 F | 52 F | 50 F | 60 F | 75 F |
| Cameroon | | 147 | 91 | 87 | 96 | 116 | 100 F | 80 F | 60 F | 50 F | 45 |
| Cent Af Rep | | 303 | 283 | 190 | 85 | 77 | 80 F | 100 F | 100 F | 337 | 350 F |
| China | | 18 100 | 23 800 | 29 500 | 34 800 | 39 000 | 89 473 | 106 071 | 119 852 | 157 233 | 191 257 |
| Côte dIvoire | | ... | 13 F | 30 F | 35 F | 32 F | 15 F | 20 F | 20 | 20 | 35 |
| Colombia | | 210 | 300 | 300 | 498 | 800 | 1 000 | 2 040 | 3 040 | 11 050 | 11 046 |
| Congo | | 29 | 39 | 82 | 115 | 177 | 243 | 240 | 243 | 26 | 5 |
| Dominican Rp | | 0 | 1 F | 1 F | 1 F | 1 F | 10 F | 35 F | 130 | 139 | 76 |
| Ecuador | | ... | ... | ... | 68 | 17 | 17 | 18 | 20 | 542 | 557 |
| Egypt | | 12 000 F | 22 346 F | 25 000 F | 25 000 F | 25 000 F | 25 000 F | 24 916 | 22 156 | 21 505 | 19 857 |
| El Salvador | | 10 | 15 | 15 | 16 | 15 | 6 | 3 | 16 | 36 | 105 |
| Fiji | | 1 | 3 | 3 | 1 | 3 F | 10 | 14 | 20 | 72 | 70 F |
| Gabon | | 2 | 2 | 3 | 3 | 2 | 2 F | 2 F | 3 F | 5 F | 5 F |
| Ghana | | 390 | 321 | 225 | 270 | 297 | 250 F | 280 F | 300 F | 300 F | 300 F |
| Honduras | | 0 | 35 | 50 | 81 | 110 | 211 | 120 | 119 | 173 | 184 |
| Hong Kong | | 2 080 | 1 500 | 1 435 | 1 700 | 1 690 | 1 410 | 1 195 | 1 150 | 980 | 168 |
| Indonesia | | 6 793 | 6 920 | 8 524 | 9 831 | 10 750 | 11 000 F | 12 085 | 13 156 | 15 004 | 16 000 |
| Jamaica | | 328 | 1 046 | 1 442 | 1 500 F | 2 400 F | 2 400 F | 2 400 F | 2 500 F | 2 500 F | 2 600 F |
| Kenya | | 112 | 113 | 114 | 121 | 169 | 416 | 405 | 451 | 467 | 474 |
| Kiribati | | ... | ... | ... | ... | 1 | 1 | 1 | 1 | 1 | 2 F |
| Korea Rep | | 48 | 118 | 120 | 56 | 92 | 335 | 650 | 605 | 437 | 391 |
| Laos | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| Liberia | | 7 | 8 | 6 | 3 | 2 | 3 F | 0 | 0 | 0 | 0 |
| Mali | | 3 | 5 | 8 | 11 | 12 | 10 | 10 | 20 | 20 | 30 |
| Malta | | ... | ... | ... | ... | ... | ... | 2 | 0 | 0 | 0 |
| Niger | | 9 | 7 | 8 | 14 | 20 | 19 | 36 | 21 | 8 | 10 |
| Panama | | 21 F | 69 F | 126 | 166 | 140 | 58 | 8 | 16 | 3 | 9 |
| Philippines | | 17 578 | 15 434 | 25 217 | 31 087 | 26 719 | 43 145 | 49 156 | 62 176 | 63 285 | 74 586 |
| Rwanda | | 39 | 35 | 51 | 55 | 28 | 34 | 154 | 48 | 45 | 45 F |
| Saint Lucia | | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | | ... | ... | 6 | 120 | 300 | 1 201 | 1 913 | 1 972 | 2 071 | 2 175 |
| Senegal | | 13 | 1 | 2 | 2 | 10 | 8 | 5 | 10 | 5 | 16 |

## B-12 Tilapias and other cichlids
## Tilapias et autres cichlidés
## Tilapias y otros cíclidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sierra Leone | | 7 | 9 | 14 | 18 | 20 | 20 F | 20 F | 20 F | 20 F | 15 F |
| Sudan | | 10 | 30 | 41 | 43 | 45 | 100 F | 234 | 203 | 200 F | 200 F |
| Tanzania | | 15 | 21 | 32 | 35 | 37 | 375 | 375 | 400 F | 400 F | 500 F |
| Thailand | | 7 954 | 15 110 | 18 366 | 16 980 | 18 810 | 21 115 | 22 895 | 27 800 | 43 435 | 44 814 |
| Togo | | 40 | 30 | 9 | 9 | 5 | 5 F | 14 | 14 | 150 | 150 |
| Uganda | | 5 | 13 | 21 | 21 | 18 | 20 F | 24 F | 28 F | 32 F | 36 |
| Zambia | | | . | . | 6 | 10 | 12 | 40 F | 50 F | 70 F | 105 |
| *Species total* | Q | *66 337* | *87 777* | *111 103* | *122 923* | *127 024* | *198 208* | *225 646* | *256 822* | *322 537* | *367 927* |
| | V | *61 186* | *74 231* | *104 685* | *130 302* | *156 434* | *259 236* | *297 339* | *339 384* | *437 312* | *479 805* |
| **Blue tilapia** | **...B** | | | **...C** | | | ***Oreochromis aureus*** | | **1,70(59)051,03** | | **OEA** |
| Côte dIvoire | | . | . . | . . . | . . | 0 | 0 | 21 | 37 | 24 | 40 |
| Cuba | | 14 042 | 14 675 | 14 942 | 15 270 | 13 268 | 15 744 | 18 663 | 16 567 | 16 960 | 11 582 |
| Dominica | | - | - | - | - | - | - | - | - | 2 | 2 F |
| Nicaragua | | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| Panama | | 1 F | 4 F | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Untd Arab Em | | | | . | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | Q | *14 046* | *14 681* | *14 950* | *15 282* | *13 271* | *15 747* | *18 687* | *16 608* | *16 990* | *11 628* |
| | V | *11 940* | *16 149* | *12 411* | *12 689* | *11 015* | *13 073* | *15 541* | *14 171* | *14 138* | *10 539* |
| **...A** | **...B** | | | **...C** | | | ***Oreochromis spilurus*** | | **1,70(59)051,04** | | **TLL** |
| Malta | | . | . | . | . . . | | . | 1 | 0 | 0 | 0 |
| Saudi Arabia | | | | 10 | 8 | 8 | 9 | 0 | 0 | 0 | 0 |
| *Species total* | Q | | . | *10* | *8* | *8* | *9* | *1* | *0* | *0* | *0* |
| | V | | . | *40* | *30* | *32* | *36* | *6* | *0* | *0* | *0* |
| **...A** | **...B** | | | **...C** | | | ***Oreochromis macrochir*** | | **1,70(59)051,05** | | **ORM** |
| Zambia | | | | | 25 | 25 | 23 | 60 F | 200 F | 230 F | 350 |
| *Species total* | Q | . | . . | . | *25* | *25* | *23* | *60* | *200* | *230* | *350* |
| | V | | | | *23* | *23* | *22* | *57* | *200* | *230* | *385* |
| **Three spotted tilapia** | **...B** | | | **...C** | | | ***Oreochromis andersonii*** | | **1,70(59)051,10** | | **STA** |
| Zambia | | 306 | 314 | 625 | 918 | 964 | 960 F | 1 000 F | 1 200 F | 1 800 F | 2 100 |
| *Species total* | Q | *306* | *314* | *625* | *918* | *964* | *960* | *1 000* | *1 200* | *1 800* | *2 100* |
| | V | *682* | *810* | *685* | *826* | *937* | *960* | *1 000* | *1 320* | *2 160* | *2 520* |
| **Tilapias nei** | **Tilapias nca** | | | **Tilapias nep** | | | ***Oreochromis (=Tilapia) spp*** | | **1,70(59)051** | | **TLP** |
| Bahamas | | | 30 | 30 F | 22 | 36 | 55 | 43 | 4 | 5 | 0 |
| Belgium | | 0 | 120 | 160 | 200 | 230 | 200 | 200 | 200 | 200 | 200 |
| Benin | | 15 | 11 | 15 | 14 | 21 F | 24 F | 24 F | 25 F | 25 F | 30 F |
| Costa Rica | | 125 | 50 | 50 | 120 | 142 | 146 | 232 | 1 200 | 1 350 | 1 500 |

## B-12 Tilapias and other cichlids
## Tilapias et autres cichlidés
## Tilapias y otros cíclidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyprus | | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Czechoslovak | | | | | | | | | 20 | ... | - |
| Ethiopia | | | | | | 1 | 27 | 30 F | 30 F | 20 F | 25 F |
| Fiji | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | | 35 | 70 | 70 | 103 | 120 | 150 | 150 | 187 | 260 | 331 |
| Guinea | | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | | 3 093 | 4 114 | 3 238 | 4 025 | 4 536 | 4 447 | 4 795 | 5 684 | 3 368 | 4 230 |
| Japan | | 3 544 | 4 180 | 4 113 | 4 624 | 4 760 | 5 283 | 5 825 | 5 647 | 4 697 | 3 807 |
| Jordan | | 20 F | 30 F | 45 | 50 | 50 | 40 | 40 | 15 | 16 | 45 |
| Madagascar | | 4 | 74 | 36 | 38 | 42 | 40 F | 40 F | 0 | 0 | 0 |
| Malawi | | 55 | 65 | 66 | 83 | 96 | 70 F | 50 F | 14 | 14 F | 15 F |
| Malaysia | | | . | . | 39 | 241 | 620 | 944 | 943 | 1 486 | 2 686 |
| Martinique | | | . | | 1 | 1 | 14 | 36 | 35 | 50 | 62 |
| Mauritius | | 1 | 3 | 3 | 4 | 5 | 5 | 8 | 10 | 12 | 15 |
| Mexico | | 1 450 | 1 611 | 2 270 | 2 395 | 2 387 | 2 353 | 2 674 | 2 398 | 2 455 | 2 572 |
| Mozambique | | | | 5 | 17 | 20 | 20 F | 15 F | 15 F | 12 F | 10 F |
| Nigeria | | 1 982 | 4 573 | 3 274 | 3 602 | 3 962 | 9 308 | 3 795 | 1 962 | 7 525 | 7 500 F |
| Other Asia | | 53 090 | 51 242 | 48 704 | 50 984 | 54 577 | 45 898 | 52 047 | 50 480 | 47 226 | 57 143 |
| Panama | | | | . | | 7 | 14 | 41 | 67 | 62 | 67 |
| Paraguay | | 0 | 0 | 0 | 22 | 27 | 26 F | 26 F | 25 F | 30 F | 30 F |
| Peru | | 28 | 52 | 36 | 89 | 230 | 200 F | 186 | 200 | 250 | 181 |
| Philippines | | 13 330 | 27 206 | 30 602 | 44 682 | 48 327 | 38 530 | 26 986 | 14 394 | 27 888 | 21 753 |
| Puerto Rico | | | | | | 10 | 16 | 7 | 362 | 188 | 105 |
| Saudi Arabia | | | | 10 | 10 | 20 | 20 | 13 | 35 | 120 F | 130 F |
| South Africa | | | | 12 F | 12 F | 20 | 20 | 30 | 40 | 55 | 60 F |
| Sri Lanka | | 3 000 F | 3 500 F | 4 000 F | 4 500 F | 5 000 F | 5 000 F | 4 500 F | 4 000 F | 3 500 F | 3 000 F |
| Syria | | 225 F | 225 | 357 | 357 F | 357 F | 400 F | 596 | 617 F | 982 F | 1 000 F |
| Trinidad Tob | | | | | | ... | 2 F | 2 F | 3 | 3 F | 4 F |
| USA | | . | 5 | | | 20 F | 50 F | 2 041 | 2 041 | 4 082 | 5 670 |
| Venezuela | | | | . | | .. | . | .. | 127 | 91 | 100 F |
| Virgin Is US | | 6 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| Zaire | | 81 | 180 | 689 | 723 | 759 | 760 F | 700 F | 700 F | 730 F | 700 F |
| Zambia | | 31 | 40 | 62 | 71 | 75 | 100 F | 200 | 600 | 900 | 1 155 |
| Zimbabwe | | 46 | 38 | 42 | 46 | 49 | 50 F | 50 F | 40 F | 40 F | 60 F |
| *Species total* | Q | *80 167* | *97 429* | *97 899* | *116 842* | *126 129* | *113 889* | *106 327* | *92 121* | *107 643* | *114 186* |
| | V | *77 028* | *97 381* | *106 822* | *123 424* | *136 714* | *149 908* | *152 623* | *129 392* | *176 833* | *163 622* |

| **Jaguar guapote** | ...B | | | **Guapote tigre** | | ***Cichlasoma managuense*** | | | **1,70(59)053,06** | | **CHL** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| El Salvador | | | | | | | 1 | 1 | 1 | 1 | 1 |
| Guatemala | | | | | | .. | 5 F | 5 F | 5 | 9 | 10 |
| Panama | | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 |
| *Species total* | Q | *0* | *0* | *0* | *1* | *2* | *7* | *6* | *6* | *10* | *12* |
| | V | *0* | *0* | *0* | *1* | *3* | *9* | *8* | *10* | *13* | *17* |

| .. A | ...B | | ...C | | ***Cichlasoma maculicaudum*** | | | **1,70(59)053,07** | | **CHK** |
|---|---|---|---|---|---|---|---|---|---|---|
| Guatemala | | | | | | 6 F | 6 F | 9 | 16 | 18 |
| *Species total* | Q | | | | | *6* | *6* | *9* | *16* | *18* |
| | V | | | | | *8* | *8* | *14* | *19* | *25* |

## B-12 Tilapias and other cichlids
## Tilapias et autres cichlidés
## Tilapias y otros cíclidos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ...A | ...B | | | ...C | | *Cichlasoma spp* | | | 1,70(59)053 | | CHX |
| Ecuador | | ... | ... | ... | ... | ... | ... | ... | 11 | 332 | 355 |
| *Species total* | Q | ... | ... | ... | ... | ... | ... | ... | *11* | *332* | *355* |
| | V | ... | ... | ... | ... | ... | ... | ... | *13* | *333* | *737* |
| ...A | ...B | | | ...C | | *Tilapia zillii* | | | 1,70(59)055,04 | | TLZ |
| Uganda | | ... | ... | ... | 6 | 6 | 7 F | 8 F | 10 F | 10 F | 11 |
| *Species total* | Q | ... | ... | ... | *6* | *6* | *7* | *8* | *10* | *10* | *11* |
| | V | ... | ... | ... | *1* | *1* | *2* | *3* | *6* | *7* | *9* |
| **Redbreast tilapia** | ...B | | | ...C | | *Tilapia rendalli* | | | 1,70(59)055,17 | | TLR |
| Colombia | | ... | 2 | 2 | 2 | 2 F | 0 | 0 | 0 | 0 | 0 |
| Dominican Rp | | 0 | 0 | 0 | 0 | 0 | 2 F | 5 F | 19 | 21 | 11 |
| Malawi | | ... | ... | ... | ... | ... | ... | ... | 3 | 3 F | 3 F |
| Zambia | | ... | ... | ... | 40 | 40 | 45 F | 100 F | 300 F | 500 F | 700 |
| *Species total* | Q | *0* | *2* | *2* | *42* | *42* | *47* | *105* | *322* | *524* | *714* |
| | V | *0* | *4* | *3* | *39* | *39* | *48* | *103* | *336* | *557* | *792* |
| ...A | ...B | | | Acarahuazu | | *Astronotus spp* | | | 1,70(59)313 | | AST |
| Peru | | ... | ... | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 | 0 |
| *Species total* | Q | ... | ... | *1* | *1* | *1* | *1* | *0* | *0* | *0* | *0* |
| | V | ... | ... | *1* | *1* | *1* | *1* | *0* | *0* | *0* | *0* |
| ...A | ...B | | | ...C | | *Aequidens rivulatus* | | | 1,70(59)354,01 | | AER |
| Ecuador | | ... | ... | ... | ... | ... | ... | 3 | 2 | 2 | 0 |
| *Species total* | Q | ... | ... | ... | ... | ... | ... | *3* | *2* | *2* | *0* |
| | V | ... | ... | ... | ... | ... | ... | *3* | *2* | *2* | *0* |
| ***Group total*** | ***Q*** | ***186 470*** | ***237 504*** | ***241 688*** | ***282 481*** | ***304 360*** | ***358 711*** | ***394 046*** | ***409 129*** | ***498 839*** | ***550 600*** |
| | ***V*** | ***158 971*** | ***231 828*** | ***250 363*** | ***313 878*** | ***377 030*** | ***480 856*** | ***551 094*** | ***572 610*** | ***735 615*** | ***772 301*** |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Northern pike** | **Brochet du nord** | | | **Lucio** | | ***Esox lucius*** | | | **1,24(03)001,01** | | **FPI** |
| Croatia | | . | . | . | . | . | ... | | .. | 1 | 1 |
| Czech Rep | | .. | .. | . | . | ... | ... | .. | ... | ... | 210 |
| Czechoslovak | | 345 | 309 | 375 | 357 | 343 | 342 | 274 | 244 | 255 | - |
| France | | . | 180 | 390 | 400 | 440 | 450 | 450 | 450 | 500 | 500 |
| Hungary | | ... | ... | | . | ... | . | 24 | 9 | 9 | 9 |
| MacedoniaFYR | | . | .. | | .. | . | .. | | . | . | 1 |
| Slovakia | | . | . | | . | .. | .. | | . | | 2 |
| *Species total* | *Q* | *345* | *489* | *765* | *757* | *783* | *792* | *748* | *703* | *765* | *723* |
| | *V* | *863* | *1 541* | *3 082* | *3 425* | *3 671* | *3 780* | *4 862* | *4 695* | *4 426* | *4 073* |
| **Knifefishes** | **...B** | | | **...C** | | ***Notopterus spp*** | | | **1,27(02)003** | | **FKN** |
| Thailand | | 31 | 26 | 33 | 21 | 7 | 2 | 0 | 0 | 8 | 8 |
| *Species total* | *Q* | *31* | *26* | *33* | *21* | *7* | *2* | *0* | *0* | *8* | *8* |
| | *V* | *20* | *18* | *25* | *16* | *6* | *2* | *0* | *0* | *9* | *9* |
| **..A** | **...B** | | | **Paiche** | | ***Arapaima gigas*** | | | **1,28(01)001,01** | | **ARP** |
| Peru | | | | 1 | 5 F | 12 F | 15 F | 20 | 20 | 10 | 10 |
| *Species total* | *Q* | ... | ... | *1* | *5* | *12* | *15* | *20* | *20* | *10* | *10* |
| | *V* | ... | ... | 2 | *10* | *24* | *30* | *40* | *60* | *30* | *30* |
| **..A** | **...B** | | | **...C** | | ***Heterotis spp*** | | | **1,28(03)004** | | **HTT** |
| Mali | | . | | . | . | ... | .. | | 3 | 3 | 1 |
| Nigeria | | 747 | 381 | 109 | 121 | 127 | 130 F | 292 | 332 | 300 | 300 F |
| *Species total* | *Q* | *747* | *381* | *109* | *121* | *127* | *130* | *292* | *335* | *303* | *301* |
| | *V* | *896* | *572* | *164* | *182* | *222* | *228* | *511* | *634* | *735* | *736* |
| **Upsidedown catfishes** | **...B** | | | **...C** | | ***Synodontis spp*** | | | **1,32(01)034** | | **CSY** |
| Nigeria | | | | | | .. | | | 612 | 80 | 100 F |
| *Species total* | *Q* | . | | | . | | | | *612* | *80* | *100* |
| | *V* | . | | | . | . . | . | . | *979* | *220* | *275* |
| **...A** | **...B** | | | **Boquichico** | | ***Prochilodus reticulatus*** | | | **1,38(01)001,20** | | **PLR** |
| Colombia | | 20 | | | ... | ... | 0 | 0 | 0 | 0 | 0 |
| Peru | | | | 156 | 120 F | 100 F | 60 F | 20 | 20 | 10 | 10 |
| Venezuela | | | | | | .. | | .. | 257 | | . |
| *Species total* | *Q* | *20* | ... | *156* | *120* | *100* | *60* | *20* | *277* | *10* | *10* |
| | *V* | *50* | ... | *90* | *96* | *90* | *78* | *34* | *312* | *30* | *30* |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ...A | ...B | | | ...C | | *Brycon moorei* | | | 1,38(01)013,30 | | BCM |
| Colombia | | 5 | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 0 |
| Peru | | ... | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *5* | ... | *1* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | *14* | ... | *1* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| ...A | ...B | | | Cachama | | *Colossoma macropomum* | | | 1,38(01)046,05 | | CSM |
| Costa Rica | | ... | ... | ... | ... | ... | ... | 5 | 5 | 5 | 10 |
| Honduras | | ... | ... | ... | ... | 1 | 0 | 3 | 9 | 10 | 17 |
| Jamaica | | ... | ... | ... | ... | ... | 50 F | 60 F | 70 F | 80 F | 100 F |
| Panama | | 16 F | 53 F | 97 | 132 | 301 | 19 | 56 | ... | 23 | 40 |
| Peru | | ... | ... | ... | 30 | 45 F | 60 F | 85 | 120 | 60 | 58 |
| Venezuela | | 200 | 100 | 40 | 300 | 300 | 250 F | 200 F | 143 | 180 | 200 F |
| *Species total* | *Q* | *216* | *153* | *137* | *462* | *647* | *379* | *409* | *347* | *358* | *425* |
| | *V* | *118* | *109* | *128* | *342* | *575* | *286* | *457* | *536* | *747* | *866* |
| ...A | ...B | | | Cachama blanca | | *Colossoma brachypomum* | | | 1,38(01)046,07 | | CSB |
| Colombia | | 30 | 50 | 200 | 156 | 600 | 800 | 1 100 | 1 200 | 2 100 | 3 500 |
| *Species total* | *Q* | *30* | *50* | *200* | *156* | *600* | *800* | *1 100* | *1 200* | *2 100* | *3 500* |
| | *V* | *75* | *107* | *362* | *580* | *1 814* | *2 104* | *2 424* | *2 664* | *6 071* | *9 744* |
| ...A | ...B | | | Paco | | *Colossoma bidens* | | | 1,38(01)046,08 | | CSD |
| Peru | | ... | ... | ... | ... | ... | ... | 77 | 77 | 20 | 20 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | *77* | *77* | *20* | *20* |
| | *V* | ... | ... | ... | ... | ... | ... | *139* | *169* | *60* | *60* |
| Characins | Characinidés | | | Carácidos | | *Characidae* | | | 1,38(01) | | CHA |
| Paraguay | | ... | ... | ... | ... | ... | ... | 10 F | 10 F | 10 F | 10 F |
| Peru | | ... | ... | 4 | ... | ... | ... | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | ... | *4* | ... | ... | ... | *10* | *10* | *10* | *10* |
| | *V* | ... | ... | *5* | ... | ... | ... | *11* | *11* | *12* | *12* |
| Buffalofishes | Poissons-taureau | | | ...C | | *Ictiobus spp* | | | 1,40(01)011 | | BUF |
| Cuba | | ... | ... | ... | ... | 34 | 22 | 13 | 4 | 5 | 5 |
| Ukraine | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| *Species total* | *Q* | ... | ... | ... | ... | *34* | *22* | *13* | *4* | *7* | *7* |
| | *V* | ... | ... | ... | ... | *28* | *18* | *11* | *3* | *6* | *6* |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wels(=Som)catfish** | **Silure glane** | | | **Siluro** | | ***Silurus glanis*** | | | **1,41(07)031,01** | | **SOM** |
| Croatia | | ... | ... | ... | ... | ... | ... | ... | ... | 82 | 80 |
| France | | ... | ... | 60 | 5 | 5 | 10 | 10 | 50 | 120 | 150 |
| Hungary | | 10 | 80 | 85 | 69 | 98 | 97 | 90 | 97 | 82 | 90 |
| MacedoniaFYR | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 |
| *Species total* | *Q* | *10* | *80* | *145* | *74* | *103* | *107* | *100* | *147* | *284* | *358* |
| | *V* | *24* | *192* | *614* | *331* | *283* | *564* | *559* | *855* | *1 428* | *1 659* |
| **Bagrid catfish** | **...B** | | | **...C** | | ***Chrysichthys nigrodigitatus*** | | | **1,41(08)078,02** | | **CSR** |
| Côte dIvoire | | 1 | 35 | 170 | 130 | 58 | 53 | 10 | 270 | 252 | 233 |
| Nigeria | | 164 | 152 | 164 | 180 | 207 | 210 F | 438 | 893 | 1 290 | 1 300 F |
| *Species total* | *Q* | *165* | *187* | *334* | *310* | *265* | *263* | *448* | *1 163* | *1 542* | *1 533* |
| | *V* | *596* | *253* | *640* | *649* | *516* | *490* | *690* | *2 198* | *5 532* | *5 710* |
| **Black catfishes** | **...B** | | | **...C** | | ***Chrysichthys spp*** | | | **1,41(08)078** | | **CST** |
| Benin | | ... | ... | ... | ... | 58 | 60 F | 60 F | 50 F | 50 F | 60 F |
| Côte dIvoire | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *0* | *0* | *0* | *0* | *58* | *60* | *60* | *50* | *50* | *60* |
| | *V* | *0* | *0* | *0* | *0* | *205* | *198* | *232* | *125* | *125* | *150* |
| **Channel catfish** | **...B** | | | **...C** | | ***Ictalurus punctatus*** | | | **1,41(10)002,02** | | **ITP** |
| Cuba | | ... | ... | ... | ... | 92 | 111 | 228 | 76 | 35 | 14 |
| Mexico | | 681 | 566 | 617 | 891 | 1 037 | 1 110 | 1 229 | 1 291 | 1 589 | 1 757 |
| Ukraine | | ... | ... | ... | ... | ... | ... | ... | ... | 1 983 | 1 905 |
| USA | | 109 000 | 122 853 | 148 627 | 169 091 | 164 091 | 182 727 | 163 491 | 177 297 | 207 460 | 224 874 |
| *Species total* | *Q* | *109 681* | *123 419* | *149 244* | *169 982* | *165 220* | *183 948* | *164 948* | *178 664* | *211 067* | *228 550* |
| | *V* | *192 725* | *189 930* | *229 497* | *278 369* | *291 767* | *310 241* | *274 721* | *248 068* | *278 764* | *355 974* |
| **Black bullhead** | **Poisson-chat** | | | **...C** | | ***Ictalurus melas*** | | | **1,41(10)002,05** | | **ITM** |
| Italy | | 1 500 | 1 500 | 1 500 | 1 500 | 1 500 | 1 800 | 1 600 | 1 800 | 1 766 | 1 750 |
| *Species total* | *Q* | *1 500* | *1 500* | *1 500* | *1 500* | *1 500* | *1 800* | *1 600* | *1 800* | *1 766* | *1 750* |
| | *V* | *2 929* | *2 698* | *3 452* | *3 960* | *3 950* | *4 770* | *8 026* | *8 737* | *7 947* | *7 875* |
| **Pangas catfish** | **...B** | | | **...C** | | ***Pangasius pangasius*** | | | **1,41(16)059,02** | | **PGP** |
| Malaysia | | ... | ... | ... | 11 | 57 | 0 | 0 | 0 | 0 | 248 |
| Thailand | | 8 174 | 13 786 | 12 574 | 11 822 | 20 353 | 13 539 | 13 340 | 14 518 | 14 183 | 14 660 |
| *Species total* | *Q* | *8 174* | *13 786* | *12 574* | *11 833* | *20 410* | *13 539* | *13 340* | *14 518* | *14 183* | *14 908* |
| | *V* | *3 712* | *4 839* | *4 620* | *4 622* | *8 206* | *4 852* | *6 262* | *7 112* | *7 778* | *8 573* |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Philippine catfish** | ...B | | | ...C | | *Clarias batrachus* | | | 1,41(18)030,01 | | CBT |
| Cambodia | | 40 F | 120 F | 88 F | 100 F | 184 F | 222 F | 216 F | 220 F | 280 F | 310 F |
| Guam | | 0 | 4 | 6 | 8 | 3 | 10 | 26 | 16 | 14 | 16 |
| Malaysia | | ... | ... | ... | 7 | 183 | 87 | 197 | 198 | 904 | 741 |
| *Species total* | *Q* | *40* | *124* | *94* | *115* | *370* | *319* | *439* | *434* | *1 198* | *1 067* |
| | *V* | *60* | *190* | *147* | *234* | *669* | *552* | *797* | *831* | *1 926* | *1 743* |
| **Hong Kong catfish** | ...B | | | ...C | | *Clarias fuscus* | | | 1,41(18)030,02 | | CFS |
| Hong Kong | | 130 | 100 | 110 | 160 | 140 | 110 | 120 | 110 | 110 | 241 |
| *Species total* | *Q* | *130* | *100* | *110* | *160* | *140* | *110* | *120* | *110* | *110* | *241* |
| | *V* | *402* | *285* | *286* | *400* | *342* | *287* | *324* | *319* | *468* | *972* |
| **North African catfish** | Poisson-chat nord-africaine | | | ...C | | *Clarias gariepinus* | | | 1,41(18)030,03 | | CLZ |
| Cameroon | | 40 | 13 | 6 | 7 | 9 | 8 F | 6 F | 4 F | 2 F | 2 |
| Cent Af Rep | | 6 | 5 | 3 | 3 | 2 | 2 F | 5 F | 5 F | 1 | 1 F |
| Ghana | | 60 | 36 | 134 | 116 | 130 | 80 F | 80 F | 110 F | 130 F | 165 F |
| Guinea | | 1 | 1 | 1 | 1 | 1 | 1 F | 1 F | 1 F | 5 F | 5 F |
| Lesotho | | 1 | 1 | 3 | 2 | 2 | 2 F | 2 F | 2 F | 3 F | 3 F |
| Mali | | ... | ... | ... | ... | 3 | 3 | 3 F | 8 | 17 | 21 |
| Netherlands | | 20 | 75 | 300 | 300 | 400 | 475 F | 1 000 F | 1 100 F | 1 100 F | 1 100 F |
| Nigeria | | ... | ... | ... | ... | ... | ... | ... | ... | 3 850 | 3 500 F |
| Rwanda | | ... | ... | ... | ... | ... | 3 F | 5 F | 6 F | 2 | 2 F |
| Zambia | | ... | ... | ... | ... | ... | ... | ... | 20 F | 50 F | 70 |
| *Species total* | *Q* | *128* | *131* | *447* | *429* | *547* | *574* | *1 102* | *1 256* | *5 160* | *4 869* |
| | *V* | *192* | *260* | *1 028* | *955* | *1 435* | *1 589* | *3 179* | *3 585* | *14 919* | *14 003* |
| **Mudfish** | ...B | | | ...C | | *Clarias anguillaris* | | | 1,41(18)030,07 | | CLN |
| Burkina Faso | | ... | ... | ... | ... | ... | 3 | 3 | 3 | 3 F | 0 |
| Egypt | | ... | ... | ... | ... | ... | ... | ... | 462 | 390 | 258 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *3* | *3* | *465* | *393* | *258* |
| | *V* | ... | ... | ... | ... | ... | *3* | *3* | *548* | *448* | *297* |
| **Torpedo-shaped catfishes** | ...B | | | ...C | | *Clarias spp* | | | 1,41(18)030 | | CTO |
| Brunei Darus | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 0 |
| Côte d'Ivoire | | 10 | 12 | 13 | 69 | 80 | 100 | 50 | 30 | 10 | 4 |
| India | | ... | 35 000 F | 36 000 F | 36 500 F | 36 500 F | 38 000 F | 39 260 | 34 912 | 50 323 | 50 000 F |
| Indonesia | | 692 | 694 | 886 | 1 947 | 2 500 | 4 000 F | 3 739 | 4 910 | 6 330 | 7 100 |
| Malawi | | 10 | 7 | 7 R | 9 | 9 | 6 F | 3 F | 1 | 1 F | 3 F |
| Nigeria | | 3 160 | 2 287 | 1 364 | 1 500 | 3 152 | 9 421 | 1 533 | 4 999 | 1 020 | 1 500 F |
| Other Asia | | 349 | 119 | 58 | 101 | 48 | 55 | 40 | 46 | 69 | 797 |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Philippines | | 86 | 190 | 143 | 97 | 100 | 99 | 100 F | 130 F | 150 F | 260 |
| South Africa | | 0 | 0 | 0 | 10 | 137 | 203 | 850 | 1 150 | 450 | 450 F |
| Thailand | | 4 598 | 6 394 | 15 817 | 13 875 | 12 551 | 12 385 | 17 900 | 29 136 | 23 775 | 24 250 |
| *Species total* | Q | *8 905* | *44 703* | *54 288* | *54 108* | *55 077* | *64 269* | *63 475* | *75 314* | *82 130* | *84 364* |
| | V | *9 345* | *86 773* | *97 348* | *103 001* | *104 924* | *109 546* | *110 906* | *107 752* | *112 753* | *123 679* |
| **...A** | **...B** | | | **...C** | | ***Rhamdia sapo*** | | | **1,41(22)021,03** | | **RHS** |
| Uruguay | | ... | ... | ... | 3 F | 4 | 3 F | 3 F | 3 F | 5 | 2 |
| *Species total* | Q | ... | ... | ... | *3* | *4* | *3* | *3* | *3* | *5* | *2* |
| | V | ... | ... | ... | *9* | *12* | *9* | *11* | *12* | *23* | *10* |
| **...A** | **...B** | | | **...C** | | ***Ichthyoelephas humeralis*** | | | **1,41(22)087,01** | | **ICH** |
| Ecuador | | ... | ... | ... | ... | ... | 0 | 1 | 11 | 7 | 17 |
| *Species total* | Q | ... | ... | ... | ... | ... | *0* | *1* | *11* | *7* | *17* |
| | V | ... | ... | ... | ... | ... | *0* | *1* | *13* | *7* | *35* |
| **Hassar** | **...B** | | | **...C** | | ***Hoplosternum littorale*** | | | **1,41(27)047,01** | | **HSR** |
| Guyana | | ... | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | Q | ... | ... | *1* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| | V | ... | ... | *6* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Freshwater siluroids, etc** | **Silurides d'eau douce, etc** | | | **Siluroideos de agua dulce, etc** | | ***Siluroidei*** | | | **1,41** | | **FSI** |
| Cambodia | | 140 | 140 | 140 | 140 | 140 F | 140 F | 150 F | 150 F | 190 F | 200 F |
| *Species total* | Q | *140* | *140* | *140* | *140* | *140* | *140* | *150* | *150* | *190* | *200* |
| | V | *168* | *196* | *224* | *252* | *294* | *322* | *360* | *375* | *475* | *500* |
| **Snakehead** | **...B** | | | **...C** | | ***Channa(=Ophicephalus) argus*** | | | **1,67(01)001,01** | | **CNA** |
| Korea Rep | | 124 | 261 | 275 F | 287 | 256 | 350 | 446 | 446 | 500 | 518 |
| *Species total* | Q | *124* | *261* | *275* | *287* | *256* | *350* | *446* | *446* | *500* | *518* |
| | V | *801* | *1 365* | *1 420* | *1 519* | *1 861* | *2 962* | *2 023* | *3 292* | *3 537* | *4 155* |
| **Striped snakehead** | **...B** | | | **...C** | | ***Channa striatus*** | | | **1,67(01)001,07** | | **FSS** |
| Philippines | | 226 | 253 | 191 | 133 | 134 | 132 | 5 | 0 | 0 | 0 |
| Thailand | | 4 863 | 7 364 | 5 986 | 3 294 | 4 040 | 3 732 | 3 800 | 5 560 | 4 714 | 4 809 |
| *Species total* | Q | *5 089* | *7 617* | *6 177* | *3 427* | *4 174* | *3 864* | *3 805* | *5 560* | *4 714* | *4 809* |
| | V | *7 134* | *8 778* | *8 011* | *4 511* | *5 776* | *5 545* | *5 955* | *8 934* | *6 492* | *6 644* |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Indonesian snakehead** | ...B | | | ...C | | *Channa micropeltes* | | | 1,67(01)001,09 | | FIS |
| Thailand | | 183 | 630 | 386 | 325 | 198 | 295 | 500 F | 700 F | 905 | 923 |
| *Species total* | Q | *183* | *630* | *386* | *325* | *198* | *295* | *500* | *700* | *905* | *923* |
| | V | *166* | *497* | *331* | *285* | *164* | *313* | *548* | *823* | *1 074* | *1 098* |
| **Snakeheads(=Murruls)** | ...B | | | ...C | | *Channa (Ophicephalus) spp* | | | 1,67(01)001 | | FSN |
| Hong Kong | | 65 | 200 | 128 | 200 | 300 | 270 | 310 | 300 | 300 | 800 |
| Nigeria | | . . . | . . . | . . . | . | . | 388 | 50 | 825 | 800 | 800 F |
| *Species total* | Q | *65* | *200* | *128* | *200* | *300* | *658* | *360* | *1 125* | *1 100* | *1 600* |
| | V | *201* | *561* | *333* | *500* | *807* | *1 271* | *993* | *2 003* | *3 253* | *5 162* |
| **Lai** | ...B | | | ...C | | *Fluta alba* | | | 1,68(02)003,01 | | FLT |
| Thailand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | Q | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| | V | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Silver perch** | ...B | | | ...C | | *Bidyanus bidyanus* | | | 1,70(04)368,01 | | BYB |
| Australia | | . | . | . . . | . . . | . | | 2 | 10 | 20 | 40 |
| *Species total* | Q | | . . | . . | | | | *2* | *10* | *20* | *40* |
| | V | . . . | | . . | | . | . | *8* | *173* | *246* | *180* |
| **European perch** | Perche européenne | | | Perca | | *Perca fluviatilis* | | | 1,70(14)002,01 | | FPE |
| Australia | | . . | . | 50 | 0 | 0 | 0 | 0 | - | - | - |
| Czech Rep | | . . . | . | . . | . . | . . . | . . | . . | | . | 39 |
| *Species total* | Q | . . | | *50* | *0* | *0* | *0* | *0* | - | - | *39* |
| | V | . . | . | *105* | *0* | *0* | *0* | *0* | - | - | *101* |
| **Pike-perch** | Sandre | | | Lucioperca | | *Stizostedion lucioperca* | | | 1,70(14)015,03 | | FPP |
| Algeria | | . | 0 | 1 | 1 | 2 | 4 | 4 | 4 | 4 F | 5 F |
| Croatia | | . . | . . . | . | . | . . . | . | | | 26 | 9 |
| Czech Rep | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 169 |
| Czechoslovak | | 254 | 188 | 183 | 183 | 222 | 174 | 148 | 148 | 181 | - |
| France | | . . . | . . . | . . . | . . | . . . | . . . | . . . | . . . | 400 | 400 |
| Hungary | | . | 7 | 20 | 18 | 27 | 26 | 28 | 16 | 21 | 15 |
| Ukraine | | . | . | . . | . . | . . | . | | | - | 2 |
| *Species total* | Q | *254* | *195* | *204* | *202* | *251* | *204* | *180* | *168* | *632* | *600* |
| | V | *635* | *483* | *502* | *540* | *671* | *576* | *522* | *481* | *1 639* | *1 554* |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Climbing perch** | **...B** | | | **...C** | | | ***Anabas testudineus*** | | | **1,76(05)002,01** | | **FPC** |
| India | | | . . . | 35 000 F | 36 000 F | 36 500 F | 36 500 F | 38 000 F | 39 260 | 34 912 | 50 323 | 50 000 F |
| Thailand | | | 930 | 925 | 835 | 724 | 791 | 1 014 | 145 | 828 | 826 | 828 |
| *Species total* | | *Q* | *930* | *35 925* | *36 835* | *37 224* | *37 291* | *39 014* | *39 405* | *35 740* | *51 149* | *50 828* |
| | | *V* | *744* | *77 263* | *80 561* | *85 061* | *82 256* | *73 893* | *78 678* | *52 309* | *69 732* | *73 395* |
| **Giant gourami** | **...B** | | | **...C** | | | ***Osphronemus goramy*** | | | **1,76(09)007,01** | | **FGG** |
| Indonesia | | | 3 178 | 3 050 | 3 938 | 4 495 | 4 623 | 5 363 | 3 970 | 3 795 | 4 640 | 4 860 |
| Philippines | | | . . . | 190 | 143 | 101 | 101 | 97 | 50 F | 50 F | 50 F | 53 |
| Thailand | | | 1 | 0 | 4 | 5 | 4 | 6 | 6 F | 3 | 8 | 8 |
| *Species total* | | *Q* | *3 179* | *3 240* | *4 085* | *4 601* | *4 728* | *5 466* | *4 026* | *3 848* | *4 698* | *4 921* |
| | | *V* | *1 591* | *4 344* | *6 392* | *8 156* | *9 310* | *13 477* | *9 970* | *9 903* | *12 133* | *12 722* |
| **Snakeskin gourami** | **...B** | | | **...C** | | | ***Trichogaster pectoralis*** | | | **1,76(10)013,02** | | **FGS** |
| Indonesia | | | 1 281 | 1 410 | 1 414 | 1 946 | 2 000 F | 2 000 F | 2 464 | 2 039 | 2 760 | 2 800 |
| Malaysia | | | 6 | 13 | 107 | . | . . . | 0 | 0 | 0 | 0 | 0 |
| Thailand | | | 11 780 | 16 578 | 16 130 | 14 269 | 14 901 | 13 196 | 12 800 | 13 300 | 12 958 | 13 218 |
| *Species total* | | *Q* | *13 067* | *18 001* | *17 651* | *16 215* | *16 901* | *15 196* | *15 264* | *15 339* | *15 718* | *16 018* |
| | | *V* | *8 006* | *10 216* | *11 504* | *11 865* | *12 807* | *11 943* | *14 942* | *15 228* | *17 239* | *17 365* |
| **Gouramis nei** | **...B** | | | **...C** | | | ***Trichogaster spp*** | | | **1,76(10)013** | | **GOM** |
| Thailand | | | 281 | 315 | 344 | 355 | 310 | 344 | 250 F | 217 | 194 | 200 |
| *Species total* | | *Q* | *281* | *315* | *344* | *355* | *310* | *344* | *250* | *217* | *194* | *200* |
| | | *V* | *34* | *41* | *49* | *51* | *47* | *55* | *41* | *38* | *59* | *63* |
| **Kissing gourami** | **...B** | | | **...C** | | | ***Helostoma temmincki*** | | | **1,76(11)006,01** | | **FGO** |
| Indonesia | | | 4 493 | 3 500 | 4 988 | 5 420 | 5 500 F | 5 500 F | 5 639 | 4 980 | 4 979 | 5 000 |
| *Species total* | | *Q* | *4 493* | *3 500* | *4 988* | *5 420* | *5 500* | *5 500* | *5 639* | *4 980* | *4 979* | *5 000* |
| | | *V* | *2 696* | *3 500* | *5 986* | *8 130* | *8 250* | *11 000* | *11 278* | *10 458* | *10 456* | *10 500* |
| **...A** | **...B** | | | **...C** | | | ***Dormitator latifrons*** | | | **1,77(01)009,02** | | **DOM** |
| Ecuador | | | | | . | 25 | 25 | 25 F | 25 | 35 | 597 | 2 170 |
| *Species total* | | *Q* | | | . | *25* | *25* | *25* | *25* | *35* | *597* | *2 170* |
| | | *V* | | | . | *120* | *70* | *48* | *46* | *81* | *1 598* | *6 938* |

# B-13 Miscellaneous freshwater fishes
# Poissons d'eau douce divers
# Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Marble goby** | ...B | | | ...C | | *Oxyeleotris marmorata* | | | 1,77(01)051,01 | | GBM |
| Malaysia | | . . | . . | . . . | 5 F | 5 F | 9 | 419 | 419 | 115 | 37 |
| Thailand | | 281 | 817 | 836 | 162 | 616 | 494 | 550 | 350 F | 39 | 40 |
| *Species total* | *Q* | *281* | *817* | *836* | *167* | *621* | *503* | *969* | *769* | *154* | *77* |
| | *V* | *1 193* | *3 347* | *3 087* | *626* | *2 070* | *2 255* | *4 877* | *5 957* | *1 362* | *653* |
| **Freshwater gobies** | **Gobies d'eau douce** | | | **Góbidos de agua dulce** | | *Gobiidae* | | | **1,77(02)** | | **FGX** |
| Other Asia | | . | | | | | 0 | 143 | 522 | 330 | |
| *Species total* | *Q* | | . . | . . . | . | | *0* | *143* | *522* | *330* | |
| | *V* | | . | . | | . | *0* | *2 321* | *8 457* | *5 880* | |
| **Freshwater fishes nei** | **Poissons d'eau douce nca** | | | **Peces de agua dulce nep** | | *Osteichthyes* | | | **1,99** | | **FRF** |
| Albania | | 1 | 6 | 30 | 20 | 11 | 1 | 1 F | 1 F | 1 F | 1 F |
| Algeria | | - | - | - | - | 0 | 0 | 0 | 2 | 2 F | 2 F |
| Bangladesh | | 108 806 | 112 529 | 119 210 | 135 442 | 138 257 | 144 395 | 151 161 | 158 338 | 209 097 | 224 691 |
| Belize | | . | . | | | | . | | 1 | 1 F | 2 F |
| Bhutan | | | | | | 15 | 12 | 31 | 35 F | 35 F | 30 F |
| Bolivia | | . . . | | . . . | | | . . . | 51 | 0 | - | - |
| Brazil | | 10 000 | 10 000 | 10 000 | 12 000 F | 14 000 F | 16 000 F | 18 000 F | 20 000 F | 26 000 | 26 500 F |
| Brunei Darus | | . | . . . | . . | | | 1 | 1 F | 0 | 0 | 0 |
| China | | | | . . . | . . . | . . . | 251 556 | 255 072 | 327 875 | 353 492 | 532 500 |
| Colombia | | | 10 | 10 | 15 | 15 | 10 F | 5 F | 0 | 0 | 0 |
| Croatia | | | | . . . | . . . | . . . | . . . | | . . | 363 | 182 |
| Cuba | | | | . . . | . . . | 55 | 58 | 83 | 7 | 28 | 6 |
| Czechoslovak | | 2 020 | 1 883 | 2 156 | 2 032 | 2 089 | 1 700 | 1 741 | 2 050 | 2 194 | - |
| Egypt | | | . | . . | | | . | | . . | . . . | 2 890 |
| Finland | | | | . | | | | 72 | 2 | 36 | 5 |
| Greece | | | 10 F | 10 F | 49 | 78 | 78 | 80 | 73 | 63 | 89 |
| Honduras | | 2 | 136 | 136 | 189 | 3 | 3 F | 5 F | 5 F | 6 F | 6 F |
| Hong Kong | | | . | . | | . | . . | 410 | 400 | 370 | 691 |
| Hungary | | . | 636 | 691 | 98 | 139 | 189 | 145 | 129 | 78 | 70 |
| Indonesia | | 28 342 | 32 350 | 39 365 | 31 730 | 32 000 F | 33 000 F | 45 777 | 42 291 | 44 643 | 46 000 |
| Iran I R | | . . | | | . | | | 3 317 | . . . | 2 499 | |
| Iraq | | | | . . . | . . . | 2 084 | 2 500 F | 4 000 F | 5 000 F | 13 580 | 13 000 F |
| Italy | | 300 F | 300 F | 300 F | 500 F | 800 F | 1 000 | 1 375 | 3 600 | 2 500 | 3 000 |
| Japan | | 280 | 446 | 405 | 305 | 307 | 405 | 454 | 357 | 322 | 314 |
| Kiribati | | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Korea Rep | | . | . | | 62 | 102 | 178 | 250 | 330 | 448 | 861 |
| MacedoniaFYR | | . | . . | . . . | . . . | . . . | . . . | | . . . | . . . | 399 |
| Malawi | | 50 F | 100 F | 100 F | 100 F | 100 F | 130 F | 130 F | 175 F | 175 F | 200 F |
| Malaysia | | 264 | 154 | 80 | 35 | 409 | 0 | 86 | 13 | 1 851 | 663 |
| Mali | | . . . | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| Mexico | | 4 352 | 5 150 | 3 159 | 8 349 | 8 609 | 8 809 | 9 731 | 7 860 | 7 212 | 6 624 |
| Namibia | | | . . | . | | . . | | | . . | . . . | 4 F |
| Niger | | | | 5 F | 5 F | 5 F | 10 F | 8 F | 5 F | 5 F | 6 F |
| Nigeria | | | | . . . | . . . | 17 | 1 505 | 440 | 3 912 | 411 | 390 F |
| Other Asia | | 7 836 | 11 028 | 11 463 | 8 018 | 6 376 | 775 | 1 702 | 2 390 | 2 328 | 3 309 |
| Panama | | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |

## B-13 Miscellaneous freshwater fishes
## Poissons d'eau douce divers
## Peces de agua dulce diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Peru | | .. | | 41 | 78 | 80 F | 70 F | 60 F | 60 F | 10 F | 10 |
| Philippines | | . | . | ... | . | . | | | ... | 1 990 | 378 |
| Poland | | 300 | 395 | 400 | 400 | 400 | 400 | 400 | 500 F | 1 050 | 1 050 F |
| Suriname | | . | . | .. | ... | ... | | ... | ... | 3 F | 3 F |
| Swaziland | | 8 | 12 | 18 | 19 | 20 | 20 F | 20 F | 20 F | 20 F | 25 F |
| Switzerland | | ... | | .. | . | ... | 11 | 10 | 100 | 100 | 100 |
| Thailand | | 151 | 98 | 195 | 280 | 261 | 19 | 20 F | 1 600 | 1 162 | 1 187 |
| Ukraine | | ... | | ... | .. | | | | ... | 4 420 | 4 342 |
| USA | | 4 500 | 4 600 | 4 700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | | ... | ... | ... | ... | ... | ... | .. | ... | 1 | 1 F |
| Viet Nam | | 100 000 F | 110 000 F | 110 000 F | 115 000 F | 115 000 F | 115 000 F | 115 000 F | 130 000 F | 135 000 F | 135 000 |
| *Species total* | *Q* | *267 212* | *289 845* | *302 476* | *314 728* | *321 237* | *577 836* | *609 638* | *707 131* | *811 496* | *1 004 531* |
| | *V* | *286 240* | *347 823* | *359 558* | *395 829* | *433 561* | *771 605* | *870 859* | *956 649* | *1 167 339* | *1 375 847* |
| ***Group total*** | ***Q*** | ***425 425*** | ***545 815*** | ***594 718*** | ***623 472*** | ***637 936*** | ***916 590*** | ***929 130*** | ***1 054 260*** | ***1 218 942*** | ***1 435 565*** |
| | ***V*** | ***521 630*** | ***746 181*** | ***819 560*** | ***914 626*** | ***976 683*** | ***1 334 892*** | ***1 417 621*** | ***1 465 379*** | ***1 746 978*** | ***2 053 398*** |

## B-21 Sturgeons, paddlefishes
## Esturgeons, spatules
## Esturiones, sollos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sturgeons nei** | **Esturgeons nca** | | | **Esturiones nep** | | | ***Acipenseridae*** | | **1,17(01)** | | **STU** |
| Belgium | | - | - | - | - | - | - | - | 1 | 1 | 1 |
| Estonia | | ... | ... | ... | ... | ... | ... | ... | - | - | 8 |
| France | | ... | ... | 10 | 10 | 10 | 10 | 10 | 10 | 20 | 140 |
| Italy | | ... | ... | ... | ... | ... | ... | 250 | 300 | 350 | 310 |
| Russian Fed. | | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 28 |
| Ukraine | | ... | ... | ... | ... | ... | ... | ... | ... | 34 | 8 |
| USA | | ... | ... | ... | 5 F | 25 F | 25 F | 30 F | 25 F | 25 F | 30 F |
| USSR | | 150 F | 150 F | 170 | 150 | 170 | 250 | 68 | 74 | - | - |
| *Species total* | *Q* | *150* | *150* | *180* | *165* | *205* | *285* | *358* | *410* | *437* | *525* |
| | *V* | *1 476* | *1 432* | *2 113* | *2 157* | *2 792* | *3 915* | *6 035* | *6 398* | *7 076* | *6 819* |
| ***Group total*** | ***Q*** | ***150*** | ***150*** | ***180*** | ***165*** | ***205*** | ***285*** | ***358*** | ***410*** | ***437*** | ***525*** |
| | ***V*** | ***1 476*** | ***1 432*** | ***2 113*** | ***2 157*** | ***2 792*** | ***3 915*** | ***6 035*** | ***6 398*** | ***7 076*** | ***6 819*** |

## B-22 River eels / Anguilles / Anguilas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **European eel** | **Anguille d'Europe** | | | **Anguila europea** | | ***Anguilla anguilla*** | | | **1,43(02)002,01** | | **ELE** |
| Algeria | | | | | | | | 39 | 22 | 22 F | 23 F |
| Belgium | | | | | | 0 | 30 | 30 | 125 | 125 | 125 |
| Croatia | | | . | | . | | | . | 7 | 7 | 5 |
| Denmark | | 16 | 30 | 120 | 160 | 300 | 620 | 706 | 900 | 900 | 900 |
| France | | 30 | 60 | 237 | 400 | 770 | 810 | 810 | 810 | 800 | 810 |
| Greece | | | | 6 | 4 | 10 | 54 | 81 F | 94 | 145 | 337 |
| Hungary | | | | | 115 | 90 | 39 | 98 | 73 | 33 | 20 |
| Italy | | 2 600 | 2 800 | 3 300 | 3 500 | 4 000 | 3 750 | 4 100 | 4 185 | 3 265 | 3 000 |
| Morocco | | | | | | | | | 30 | 70 | 70 |
| Netherlands | | | 20 | 100 | 200 | 200 | 350 F | 500 | 550 F | 520 F | 375 |
| Portugal | | 60 | 60 | 590 | 566 | 501 | 6 | 267 | 270 | 622 | 505 |
| Spain | | 15 | 20 | 25 | 37 | 32 | 57 | 130 | 98 | 100 F | 100 F |
| Sweden | | 15 | 47 | 59 | 193 | 233 | 190 | 179 | 160 | 195 | 192 |
| Tunisia | | | | | | .. | . . . | 144 | 150 F | 151 | 250 F |
| UK Engld Wal | | | | | 20 | 20 | 18 F | 18 F | 15 F | . | . |
| Yugoslav SFR | | 44 | 52 | 48 | 49 | 19 | 10 | 8 | 5 F | - | - |
| YugoslaviaFR | | | | | | | | | | 1 | 8 |
| *Species total* | *Q* | *2 780* | *3 089* | *4 485* | *5 244* | *6 175* | *5 934* | *7 110* | *7 487* | *6 956* | *6 720* |
| | *V* | *11 730* | *14 661* | *29 015* | *39 692* | *51 069* | *57 648* | *70 768* | *82 340* | *79 866* | *71 166* |
| **Japanese eel** | **Anguille du Japon** | | | **Anguila japonesa** | | ***Anguilla japonica*** | | | **1,43(02)002,04** | | **ELJ** |
| Korea Rep | | 448 | 732 | 557 | 2 441 | 602 | 1 046 | 1 146 | 2 386 | 3 148 | 2 451 |
| Malaysia | | . | | . . . | | . . . | . . . | | . . . | 1 572 | 2 824 |
| Other Asia | | 36 621 | 36 845 | 35 975 | 42 489 | 51 577 | 43 008 | 55 816 | 55 641 | 51 023 | 39 959 |
| *Species total* | *Q* | *37 069* | *37 577* | *36 532* | *44 930* | *52 179* | *44 054* | *56 962* | *58 027* | *55 743* | *45 234* |
| | *V* | *244 754* | *242 977* | *260 177* | *421 513* | *535 654* | *424 648* | *481 150* | *434 269* | *516 045* | *474 255* |
| **American eel** | **Anguille d'Amérique** | | | **Anguila americana** | | ***Anguilla rostrata*** | | | **1,43(02)002,06** | | **ELA** |
| Dominican Rp | | | | | | 1 | 1 F | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | | | | | *1* | *1* | *0* | *0* | *0* | *0* |
| | *V* | | | | | *10* | *10* | *0* | *0* | *0* | *0* |
| **River eels nei** | **Anguilles nca** | | | **Anguilas nep** | | ***Anguilla spp*** | | | **1,43(02)002** | | **ELX** |
| Australia | | | | 50 | 200 | 200 F | 200 F | 200 F | 200 | 200 | 200 |
| Indonesia | | 5 | 10 | [illegible] | 24 | 30 F | 10 F | 1 211 | 316 | 93 | 121 |
| Japan | | 38 030 | 39 568 | 36 520 | 36 994 | 39 558 | 39 704 | 38 855 | 39 013 | 36 299 | 33 860 |
| *Species total* | *Q* | *38 035* | *39 578* | *36 578* | *37 218* | *39 788* | *39 914* | *40 266* | *39 529* | *36 592* | *34 181* |
| | *V* | *320 122* | *288 830* | *392 651* | *370 724* | *457 318* | *461 650* | *371 018* | *383 831* | *357 174* | *340 313* |
| ***Group total*** | ***Q*** | ***77 884*** | ***80 244*** | ***77 595*** | ***87 392*** | ***98 143*** | ***89 903*** | ***104 338*** | ***105 043*** | ***99 291*** | ***86 135*** |
| | ***V*** | ***576 606*** | ***546 468*** | ***681 843*** | ***831 929*** | ***1 044 051*** | ***943 956*** | ***922 936*** | ***900 440*** | ***953 085*** | ***885 734*** |

# B-23 Salmons, trouts, smelts
# Saumons, truites, éperlans
# Salmones, truchas, eperlanos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Atlantic salmon** | **Saumon de l'Atlantique** | | | **Salmón del Atlántico** | | ***Salmo salar*** | | | **1,23(01)004,01** | | **SAL** |
| Australia | | . . . | . . . | 10 | 62 | 240 | 1 750 | 1 750 | 2 653 | 3 147 | 3 500 |
| Canada | | 222 | 349 | 682 | 1 382 | 3 453 | 5 680 | 5 500 F | 13 248 | 13 920 | 14 623 |
| Chile | | . | | . . | 41 | 165 | 1 860 | 9 498 | 14 957 | 23 715 | 29 180 |
| Cyprus | | . . . | . . . | . . . | . . | 1 | 0 | 0 | 0 | 0 | 0 |
| Faeroe Is | | 117 | 940 | 1 370 | 3 193 | 3 400 | 7 901 | 13 025 | 17 914 | 18 364 | 17 628 |
| Finland | | 93 | 92 | 93 | 11 | 117 | 71 | 157 | 143 | 85 | 11 |
| France | | . . | | . | | . . . | . . . | . . . | 350 | 350 | 350 |
| Iceland | | 107 | 91 | 123 | 490 | 1 053 | 1 480 | 2 716 | 2 566 | 2 125 | 2 348 |
| Ireland | | 385 | 700 | 1 215 | 2 300 | 4 075 | 5 500 | 6 323 | 9 300 | 9 700 | 12 366 |
| Norway | | 22 300 | 29 473 | 45 675 | 47 418 | 80 522 | 110 068 | 145 990 | 154 900 | 124 138 | 163 581 |
| Portugal | | . | . | . . | . . . | 0 | 100 | 120 | 100 | 0 | 0 |
| Spain | | 150 | 150 | 150 | 150 | 150 F | 150 | 355 | 553 | 782 | 562 |
| Sweden | | 118 | 81 | 160 | 224 | 363 | 771 | 602 | 270 | 388 | 4 |
| UK Engld Wal | | . . . | . . | . . . | 20 | 50 F | 50 F | 350 F | 2 F | 2 F | 0 |
| UK No Ireld | | . . | . . . | . | . | . . | . . | 62 | 62 | 200 | 100 |
| UK Scotland | | 3 912 | 6 921 | 10 337 | 12 721 | 17 951 | 28 553 | 31 592 | 40 593 | 36 100 | 48 691 |
| USA | | . . . | . | 8 | 113 | 898 | 2 554 | 3 185 | 6 661 | 10 028 | 10 750 |
| *Species total* | *Q* | *27 404* | *38 797* | *59 823* | *68 125* | *112 438* | *166 488* | *221 225* | *264 272* | *243 044* | *303 694* |
| | *V* | *155 417* | *222 401* | *312 048* | *428 999* | *694 735* | *817 977* | *1 165 755* | *1 211 536* | *1 228 629* | *1 437 816* |
| **Sea trout** | **Truite de mer** | | | **Trucha marina** | | ***Salmo trutta*** | | | **1,23(01)004,02** | | **TRS** |
| Australia | | | 13 | 21 | 2 | 2 | 2 | 2 | 2 | 0 | 0 |
| Chile | | | . | . . | | . . | . . . | . . . | | 58 | - |
| Denmark | | . . | | . | | . | 250 | 250 | 250 | 250 | 200 |
| Faeroe Is | | . | . . | . | . . | | . | . | . . | . . . | 25 |
| Finland | | . | | . . | . | 9 | 0 | 0 | 0 | 0 | 0 |
| France | | 100 F | 300 F | 500 F | 500 F | 800 F | 1 000 | 1 000 | 1 200 | 1 300 | 1 300 |
| Germany | | 1 905 | 1 670 | 2 020 | 2 138 | 2 143 | 2 500 | 2 406 | 2 330 | 2 580 | 2 540 |
| Iceland | | . . . | | . . . | 11 | 10 | 37 | 20 | 25 | 5 | 5 |
| Portugal | | . . | . . | . . | . . . | 0 | 0 | 0 | 0 | 1 | 0 |
| Sweden | | 1 | 5 | 2 | 2 | 0 | 0 | 4 | 3 | 2 | 4 |
| UK Engld Wal | | 170 | 127 | 140 F | 150 | 180 | 170 F | 150 F | 200 F | 301 | 394 |
| *Species total* | *Q* | *2 176* | *2 115* | *2 683* | *2 803* | *3 144* | *3 959* | *3 832* | *4 010* | *4 497* | *4 468* |
| | *V* | *6 628* | *6 666* | *8 574* | *9 172* | *10 685* | *15 534* | *15 432* | *15 245* | *21 304* | *17 551* |
| **Trouts nei** | **Truites nca** | | | **Truchas nep** | | ***Salmo spp*** | | | **1,23(01)004** | | **TRO** |
| Canada | | . | . | . | . . | 1 125 | 1 424 | 1 500 | 1 500 | 659 | 403 |
| Czechoslovak | | 1 047 | 1 055 | 1 112 | 1 093 | 925 | 956 | 1 035 | 653 | 989 | - |
| Greece | | 2 000 | 2 000 | 1 800 | 1 900 | 2 250 | 2 000 | 1 900 | 1 697 | 2 300 | 1 884 |
| Japan | | 3 047 | 2 973 | 3 450 | 3 796 | 3 818 | 4 292 | 4 677 | 4 870 | 4 905 | 5 014 |
| Kenya | | . . | . . | . . | . | 92 | 201 | 200 | 191 | 180 | 156 |
| Other Asia | | 32 | 152 | 714 | 949 | 787 | 618 | 531 | 524 | 485 | 697 |
| Spain | | . . . | . . . | . . . | . . | 36 | 36 | 40 | 0 | 0 | 0 |
| Turkey | | 602 | 900 F | 990 | 1 105 | 1 765 | 2 471 | 3 212 | 4 146 | 6 393 | 6 850 F |
| Yugoslav SFR | | 100 | 200 | 250 | 250 F | 300 | 300 F | 300 F | 200 F | - | - |
| *Species total* | *Q* | *6 828* | *7 280* | *8 316* | *9 093* | *11 098* | *12 298* | *13 395* | *13 781* | *15 911* | *15 004* |
| | *V* | *20 834* | *23 867* | *29 340* | *36 661* | *48 508* | *56 717* | *57 911* | *61 168* | *70 819* | *68 520* |

## B-23 Salmons, trouts, smelts
## Saumons, truites, éperlans
## Salmones, truchas, eperlanos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Chum(=Keta=Dog)salmon** | **Saumon chien** | | | **Keta** | | ***Oncorhynchus keta*** | | | **1,23(01)009,03** | | **CHU** |
| USSR | | | | 4 | 10 | 9 | 0 | 0 | 0 | - | - |
| *Species total* | *Q* | | | *4* | *10* | *9* | *0* | *0* | *0* | - | - |
| | *V* | | | *25* | *69* | *65* | *0* | *0* | *0* | - | - |
| **Masu(=cherry) salmon** | **Saumon du Japon** | | | **Salmón japonés** | | ***Oncorhynchus masou*** | | | **1,23(01)009,05** | | **CHE** |
| Chile | | | | | | | | 29 | 105 | 68 | - |
| *Species total* | *Q* | | | | | | | *29* | *105* | *68* | - |
| | *V* | | | | | | | *160* | *525* | *340* | - |
| **Sockeye(=Red)salmon** | **Saumon rouge** | | | **Salmón rojo** | | ***Oncorhynchus nerka*** | | | **1,23(01)009,06** | | **SOC** |
| New Zealand | | | | | | 5 | 10 F | 10 F | 10 F | 10 F | 15 F |
| USSR | | | | 1 | 0 | 2 | 0 | 0 | 0 | - | - |
| *Species total* | *Q* | | | *1* | *0* | *7* | *10* | *10* | *10* | *10* | *15* |
| | *V* | | | *3* | *0* | *41* | *55* | *55* | *47* | *47* | *71* |
| **Chinook(=Spring=King)salmon** | **Saumon royal** | | | **Salmón real** | | ***Oncorhynchus tshawytscha*** | | | **1,23(01)009,07** | | **CHI** |
| Australia | | ... | ... | . | | ... | ... | .. | 2 | 0 | 0 |
| Canada | | 43 | 54 | 87 | 849 | 3 545 | 9 049 | 12 000 F | 15 550 | 16 100 | 17 900 |
| Chile | | ... | ... | | | 3 | 11 | 389 | 1 059 | 667 | 859 |
| New Zealand | | 92 | 180 F | 611 F | 880 F | 1 150 | 1 500 | 2 500 | 2 750 | 2 700 | 2 600 |
| USA | | 0 | 0 | 0 | 0 | 0 | 393 | 205 | 241 | 227 | 136 |
| *Species total* | *Q* | *135* | *234* | *698* | *1 729* | *4 698* | *10 953* | *15 094* | *19 602* | *19 694* | *21 495* |
| | *V* | *725* | *1 329* | *4 262* | *9 438* | *26 637* | *57 007* | *80 432* | *109 558* | *106 935* | *110 027* |
| **Coho(=Silver)salmon** | **Saumon argenté** | | | **Salmón plateado** | | ***Oncorhynchus kisutch*** | | | **1,23(01)009,08** | | **COH** |
| Canada | | 64 | 66 | 304 | 704 | 2 743 | 2 021 | 1 000 F | 290 | 291 | 200 F |
| Chile | | 109 | 500 | 1 144 | 1 821 | 4 040 | 6 930 | 13 413 | 17 954 | 22 165 | 25 150 |
| Cyprus | | ... | ... | | ... | ... | 1 | 0 | 0 | 0 | 0 |
| France | | 50 | 270 | 280 | 280 | 885 | 1 085 | 580 F | 17 | | . . |
| Greece | | ... | ... | | 3 | 11 | 19 | 12 | 33 | 20 | 30 |
| Japan | | 5 049 | 6 990 | 7 533 | 12 177 | 16 496 | 19 849 | 23 608 | 25 730 | 25 519 | 21 148 |
| Spain | | 4 | 4 | 4 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| USA | | 1 136 | 1 531 | 1 151 | 1 528 | 1 616 | 613 | 169 | 222 | 67 | 41 |
| *Species total* | *Q* | *6 412* | *9 361* | *10 416* | *16 525* | *25 791* | *30 518* | *38 782* | *44 246* | *48 062* | *46 569* |
| | *V* | *40 789* | *59 211* | *90 594* | *164 034* | *176 313* | *173 927* | *235 569* | *260 265* | *267 978* | *262 847* |

## B-23 Salmons, trouts, smelts
## Saumons, truites, éperlans
## Salmones, truchas, eperlanos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Rainbow trout** | **Truite arc-en-ciel** | | **Trucha arco iris** | | ***Oncorhynchus mykiss*** | | | **1,23(01)009,09** | | **TRR** |
| Albania | 20 | 20 | 22 | 220 | 245 | 270 | 203 | 37 | 20 | 23 F |
| Argentina | 150 | 200 | 200 | 350 | 350 | 300 | 300 | 350 | 800 | 650 |
| Armenia | ... | ... | ... | ... | ... | ... | ... | ... | 391 F | 370 F |
| Australia | 951 | 974 | 570 | 1 227 | 2 333 | 2 118 | 1 935 | 1 709 | 2 178 | 1 977 |
| Austria | 3 000 | 3 000 | 2 950 | 2 800 | 3 200 | 3 200 | 3 000 | 2 700 | 2 400 | 3 000 |
| Belgium | 300 | 300 | 350 | 380 | 450 | 420 | 420 | 420 | 420 | 420 |
| Bolivia | ... | ... | ... | 35 | 85 | 320 | 144 | 159 | 186 | 311 |
| Brazil | ... | ... | ... | ... | ... | ... | ... | 600 | 800 | 800 F |
| Bulgaria | 1 000 | 1 178 | 1 333 | 1 514 | 1 554 | 1 455 | 700 | 686 | 735 | 712 |
| Canada | 1 368 | 1 500 F | 2 384 | 2 380 F | 2 323 | 2 509 | 2 955 | 4 660 | 5 424 | 5 670 |
| Chile | 386 | 619 | 1 007 | 945 | 1 267 | 2 871 | 5 481 | 8 393 | 15 515 | 22 257 |
| Colombia | 400 | 400 | 400 | 400 | 600 | 800 | 1 200 | 1 200 | 1 300 | 2 028 |
| Costa Rica | 50 | 25 | 25 | 30 | 35 | 33 | 24 | 27 | 28 | 30 |
| Croatia | ... | ... | ... | ... | ... | ... | ... | ... | 222 | 352 |
| Cyprus | 56 | 53 | 54 | 47 | 52 | 56 | 73 | 67 | 95 | 92 |
| Czech Rep | ... | ... | ... | ... | ... | ... | ... | ... | ... | 528 |
| Denmark | 23 593 | 24 214 | 24 292 | 25 700 | 28 370 | 32 200 | 41 000 | 40 750 | 40 500 | 40 500 |
| Ecuador | ... | ... | ... | 105 | 342 | 342 | 414 | 958 | 1 227 | 1 260 |
| Estonia | ... | ... | ... | ... | ... | ... | ... | ... | 459 | 289 |
| Faeroe Is | 396 | 680 | 1 150 | 1 330 | 1 860 | 230 | 51 | 369 | 734 | 1 067 |
| Finland | 9 493 | 10 074 | 10 913 | 12 678 | 16 236 | 18 479 | 18 321 | 19 123 | 17 788 | 17 510 |
| France | 24 750 | 24 662 | 29 095 | 30 645 | 30 925 | 30 820 | 36 910 | 37 900 | 41 380 | 45 800 F |
| Georgia | ... | ... | ... | ... | ... | ... | ... | ... | 10 F | 10 F |
| Germany | 17 714 | 15 589 | 18 879 | 20 023 | 20 070 | 23 080 | 22 220 | 20 970 | 23 233 | 23 010 |
| Hungary | 191 | 237 | 266 | 269 | 228 | 185 | 159 | 9 | 4 | 3 |
| Iceland | 30 | 12 | 150 | 139 | 136 | 150 | 24 | 65 | 73 | 221 |
| India | ... | 250 F | 260 F | 310 F | 330 F | 350 F | 451 | 1 224 | 602 | 900 F |
| Iran I R | 500 | 740 | 930 | 820 | 900 F | 1 000 | 893 | 579 | 775 | 835 |
| Ireland | 712 | 589 | 563 | 920 | 1 180 | 1 100 | 1 084 | 1 285 | 1 130 | 1 583 |
| Israel | 136 | 262 | 123 | 364 | 382 | 360 | 480 | 424 | 380 | 490 |
| Italy | 23 000 | 25 000 | 25 000 | 35 000 | 30 000 | 33 000 | 35 000 | 35 000 | 35 400 | 35 500 |
| Japan | 16 773 | 16 324 | 16 958 | 16 443 | 15 314 | 15 596 | 15 395 | 15 127 | 14 480 | 14 300 |
| Kenya | 90 | 93 | 98 | 80 | 215 | 118 | 111 | 96 | 88 | 120 |
| Korea D P Rp | 300 F | 400 F | 600 F | 700 F | 800 F | 1 000 F | 1 200 F | 1 500 F | 2 000 F | 2 000 F |
| Korea Rep | 150 | 418 | 621 | 704 | 878 | 1 256 | 1 529 | 1 250 | 1 432 | 2 149 |
| Latvia | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 5 |
| Lebanon | 300 | 300 | 375 | 200 | 100 | 100 | 80 F | 80 | 130 F | 180 |
| Lesotho | 1 | 2 | 2 | 1 | 3 | 3 F | 3 F | 3 F | 4 F | 5 F |
| Lithuania | ... | ... | ... | ... | ... | ... | ... | ... | 17 | |
| Madagascar | ... | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 152 | 269 | 347 | 464 | 759 | 840 | 1 113 | 1 559 | 1 601 | 663 |
| Morocco | 30 | 30 | 15 | 10 | 14 | 15 | 20 | 100 | 150 | 185 |
| Netherlands | 150 | 200 | 200 | 200 | 265 | 250 F | 250 F | 250 F | 250 F | 200 F |
| Norway | 3 569 | 5 142 | 4 310 | 8 787 | 9 351 | 3 611 | 3 796 | 5 655 | 6 582 | 8 968 |
| Pakistan | ... | ... | ... | ... | 13 | 16 | 16 | 16 F | 20 F | 20 F |
| Papua N Guin | ... | ... | ... | ... | 2 | 2 F | 2 F | 2 F | 2 F | 2 F |
| Peru | 618 | 607 | 506 | 661 | 850 | 1 000 | 1 608 | 1 200 | 1 142 | 1 122 |
| Poland | 1 715 | 1 515 | 1 570 | 1 600 | 3 727 | 3 727 | 4 000 | 4 000 | 4 150 | 4 309 |
| Portugal | 700 | 800 | 1 165 | 1 569 | 1 350 | 973 | 2 000 | 2 000 | 1 181 | 933 |
| Reunion | ... | 12 | 14 | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Slovakia | ... | ... | ... | ... | ... | ... | ... | ... | ... | 776 |
| South Africa | 350 F | 400 F | 560 F | 600 F | 600 | 620 | 950 | 1 220 | 990 | 990 F |
| Spain | 13 812 | 11 594 | 14 100 | 11 459 | 16 000 | 15 000 | 18 000 | 18 000 | 18 482 | 19 000 |

## B-23 Salmons, trouts, smelts
## Saumons, truites, éperlans
## Salmones, truchas, eperlanos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sweden | | 1 849 | 2 532 | 3 785 | 4 388 | 6 783 | 6 634 | 7 100 | 5 834 | 5 124 | 4 865 |
| Switzerland | | 272 | 270 | 271 | 252 | 254 | 1 050 | 940 | 1 100 | 1 100 | 1 100 |
| Syria | | 100 F | 100 | 84 | 84 F | 84 F | 60 F | 60 F | 50 F | 75 F | 100 F |
| Ukraine | | | . | | | | | | | 531 | 520 |
| Uzbekistan | | | | | | ... | ... | ... | ... | ... | 52 |
| UK Engld Wal | | 10 000 | 9 000 | 9 000 | 10 000 | 11 000 | 13 000 | 10 058 | 10 000 | 10 022 | 9 119 |
| UK No Ireld | | 417 | 464 | 520 | 500 | 700 | 850 | 1 000 | 1 000 | 1 000 | 1 000 |
| UK Scotland | | 1 936 | 2 196 | 2 357 | 3 207 | 3 555 | 3 512 | 3 941 | 3 334 | 4 120 | 4 022 |
| USA | | 22 700 | 23 403 | 23 207 F | 25 499 F | 26 885 | 25 805 | 26 414 | 27 428 | 26 057 | 25 325 |
| Venezuela | | 243 | 345 | 315 | 268 | 268 | 259 | 212 | 198 | 214 | 252 |
| Zimbabwe | | 86 | 93 | 98 | 98 | 103 | 100 | 110 | 90 | 90 | 100 |
| *Species total* | *Q* | *184 509* | *187 087* | *201 994* | *226 420* | *243 328* | *251 045* | *273 350* | *280 756* | *295 265* | *310 580* |
| | *V* | *557 376* | *554 571* | *672 932* | *797 808* | *877 602* | *888 131* | *996 373* | *985 183* | *1 043 731* | *1 032 008* |

| Pacific salmons, nei | Saumons du Pacifique, nca | | Salmones del Pacífico, nep | | *Oncorhynchus spp* | | 1,23(01)009 | | ORC |
|---|---|---|---|---|---|---|---|---|---|
| Canada | | | 9 | 163 | 159 | 160 F | - | - | - |
| Spain | | | | 325 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | ... ... | *9* | *488* | *159* | *160* | *0* | *0* | *0* |
| | *V* | ... ... | *30* | *2 360* | *641* | *880* | *0* | *0* | *0* |

| Brook trout | Saumon de fontaine | | Trucha de arroyo | | *Salvelinus fontinalis* | | 1,23(01)010,02 | | SVF |
|---|---|---|---|---|---|---|---|---|---|
| Australia | | . | | | 2 | 2 | 2 F | 3 | 4 | 47 |
| France | | | 350 | 350 | 350 | 350 | 500 | 250 | 300 | 300 |
| Slovakia | | . | ... | ... | . | . | . | ... | ... | 10 |
| UK Engld Wal | 0 | 0 | 2 F | 2 F | 2 F | 2 F | 2 F | 2 F | 2 | 4 |
| *Species total* | *Q* | *0* | *352* | *352* | *354* | *354* | *504* | *255* | *306* | *361* |
| | *V* | *0* | *1 275* | *1 118* | *1 199* | *1 116* | *1 594* | *831* | *901* | *1 228* |

| Arctic char | Omble-chevalier | | Trucha alpina | | *Salvelinus alpinus* | | 1,23(01)010,05 | | ACH |
|---|---|---|---|---|---|---|---|---|---|
| France | | | | | | . . | ... | 15 | 60 | 60 |
| Iceland | | | .. | 3 | 10 | 10 | 69 | 217 | 321 | 340 |
| Norway | | 2 | 2 | 1 | 7 | 40 | 161 | 150 F | 150 F | 200 F |
| *Species total* | *Q* | ... *2* | *2* | *4* | *17* | *50* | *230* | *382* | *531* | *600* |
| | *V* | ... *6* | *6* | *16* | *72* | *208* | *979* | *2 145* | *3 025* | *2 870* |

| Lake trout(=Char) | Touladi (=Omble du Canada) | | Trucha lacustre | | *Salvelinus namaycush* | | 1,23(01)010,07 | | LAT |
|---|---|---|---|---|---|---|---|---|---|
| Canada | - | - | - | - | - | - | - | 19 | 27 | 27 |
| *Species total* | *Q* | - - | - | - | - | - | - | *19* | *27* | *27* |
| | *V* | - - | - | - | - | - | - | *114* | *176* | *189* |

# B-23 Salmons, trouts, smelts
# Saumons, truites, éperlans
# Salmones, truchas, eperlanos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Chars nei** | **Ombles nca** | | | **Salvelinos nep** | | ***Salvelinus spp*** | | | **1,23(01)010** | | **CHR** |
| Canada | | - | - | - | - | - | - | - | 2 | 26 | 33 |
| Sweden | | 1 | 5 | 22 | 27 | 77 | 98 | 90 | 85 | 73 | 114 |
| *Species total* | *Q* | *1* | *5* | *22* | *27* | *77* | *98* | *90* | *87* | *99* | *147* |
| | *V* | *3* | *15* | *66* | *118* | *463* | *481* | *542* | *590* | *644* | *910* |
| **Ayu sweetfish** | **...B** | | | **...C** | | ***Plecoglossus altivelis*** | | | **1,23(03)016,01** | | **PCA** |
| Japan | | 11 705 | 10 967 | 11 396 | 12 405 | 13 633 | 13 390 | 12 978 | 13 855 | 12 794 | 12 523 |
| Other Asia | | . . . | . . . | . . . | . . . | . . . | 42 | 39 | 31 | 39 | 72 |
| *Species total* | *Q* | *11 705* | *10 967* | *11 396* | *12 405* | *13 633* | *13 432* | *13 017** | *13 886* | *12 833* | *12 595* |
| | *V* | *64 976* | *69 024* | *101 388* | *129 024* | *130 873* | *127 870* | *110 919* | *129 112* | *122 184* | *120 212* |
| **Whitefishes nei** | **Corégones nca** | | | **Coregonos nep** | | ***Coregonus spp*** | | | **1,23(12)001** | | **WHF** |
| Finland | | .. | . . . | . . . | . . . | 5 | 0 | 0 | 0 | 0 | 0 |
| Lithuania | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 3 | 3 |
| Russian Fed. | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 630 | 489 |
| USSR | | 6 500 F | 6 500 F | 6 607 | 7 071 | 5 962 | 5 181 | 3 456 | 3 508 | - | - |
| *Species total* | *Q* | *6 500* | *6 500* | *6 607* | *7 071* | *5 967* | *5 181* | *3 456* | *3 508* | *633* | *492* |
| | *V* | *29 581* | *28 692* | *34 640* | *41 285* | *15 741* | *12 953* | *8 640* | *9 121* | *1 583* | *1 133* |
| **Salmonoids nei** | **Salmonoidés nca** | | | **Salmonoideos nep** | | ***Salmonoidei*** | | | **1,23** | | **SLX** |
| Russian Fed. | | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | 500 | 420 |
| Turkey | | - | - | - | - | - | - | 300 | 1 500 | 680 | 791 |
| USSR | | 1 310 F | 1 310 F | 1 309 | 1 634 | 1 944 | 2 173 | 2 342 | 2 533 | - | - |
| *Species total* | *Q* | *1 310* | *1 310* | *1 309* | *1 634* | *1 944* | *2 173* | *2 642* | *4 033* | *1 180* | *1 211* |
| | *V* | *12 084* | *11 721* | *13 911* | *19 339* | *24 013* | *29 336* | *35 217* | *53 462* | *13 800* | *12 950* |
| ***Group total*** | ***Q*** | ***246 980*** | ***263 658*** | ***303 632*** | ***346 686*** | ***422 664*** | ***496 719*** | ***585 656*** | ***648 952*** | ***642 160*** | ***717 258*** |
| | ***V*** | ***888 413*** | ***977 503*** | ***1 269 094*** | ***1 639 441*** | ***2 007 588*** | ***2 182 192*** | ***2 709 578*** | ***2 838 902*** | ***2 882 096*** | ***3 068 332*** |

## B-25 Miscellaneous diadromous fishes
## Poissons diadromes divers
## Peces diadromos diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Milkfish** | **Chano** | | | **Chano** | | | ***Chanos chanos*** | | **1,22(02)001,01** | | **MIL** |
| Cook Islands | | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guam | | 14 | 14 | 34 | 47 | 62 | 68 | 58 | 35 | 25 | 25 |
| Indonesia | | 84 365 | 86 430 | 103 588 | 105 947 | 118 001 | 119 339 | 132 432 | 141 024 | 147 032 | 160 000 |
| Kiribati | | 13 | 14 | 30 | 25 | 1 | 2 | 2 F | 2 F | 2 F | 1 F |
| Micronesia | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Asia | | 30 603 | 31 677 | 27 607 | 28 852 | 39 859 | 21 159 | 90 716 | 41 298 | 25 146 | 45 524 |
| Philippines | | 238 769 | 193 743 | 179 506 | 197 527 | 187 877 | 192 896 | 210 882 | 234 123 | 171 116 | 148 965 |
| *Species total* | *Q* | *353 764* | *311 879* | *310 765* | *332 398* | *345 800* | *333 464* | *434 090* | *416 482* | *343 321* | *354 515* |
| | *V* | *345 543* | *351 675* | *371 966* | *375 774* | *483 416* | *505 729* | *626 748* | *607 579* | *604 203* | *616 350* |
| **Barramundi(=Giant seaperch)** | **Perche barramundi** | | | **Perca gigante** | | | ***Lates calcarifer*** | | **1,70(01)167,01** | | **GIP** |
| Australia | | ... | ... | 2 | 1 | 22 | 18 | 33 | 94 | 145 | 219 |
| Brunei Darus | | ... | ... | ... | 1 | 1 F | 0 | 0 | 0 | 8 | 26 |
| Fr Polynesia | | - | - | - | - | - | - | - | - | 3 | 6 |
| Hong Kong | | 100 F | 67 | 105 | 34 | 23 | 170 | 167 | 224 | 187 | 211 |
| Indonesia | | 733 | 813 | 798 | 1 384 | 1 356 | 2 645 | 2 267 | 1 539 | 1 916 | 2 500 |
| Malaysia | | 160 | 338 | 819 | 1 067 | 1 267 | 3 999 | 1 608 | 1 954 | 2 784 | 3 865 |
| Other Asia | | ... | ... | ... | ... | ... | 2 708 | 4 673 | 4 674 | 6 063 | 10 035 |
| Philippines | | ... | ... | ... | ... | ... | ... | 779 | 4 698 | 36 | 14 |
| Singapore | | 185 | 169 | 203 | 219 | 235 | 201 | 307 | 239 | 393 | 227 |
| Thailand | | 548 | 584 | 823 | 1 183 | 1 034 | 1 290 | 1 005 | 1 650 | 2 596 | 2 806 |
| *Species total* | *Q* | *1 726* | *1 971* | *2 750* | *3 889* | *3 938* | *11 031* | *10 839* | *15 072* | *14 131* | *19 909* |
| | *V* | *4 569* | *4 675* | *7 884* | *11 174* | *13 060* | *41 887* | *47 429* | *85 380* | *65 617* | *74 491* |
| ***Group total*** | ***Q*** | ***355 490*** | ***313 850*** | ***313 515*** | ***336 287*** | ***349 738*** | ***344 495*** | ***444 929*** | ***431 554*** | ***357 452*** | ***374 424*** |
| | ***V*** | ***350 112*** | ***356 350*** | ***379 850*** | ***386 948*** | ***496 476*** | ***547 616*** | ***674 177*** | ***692 959*** | ***669 820*** | ***690 841*** |

## B-31 Flounders, halibuts, soles
## Flets, flétans, soles
## Platijas, halibuts, lenguados

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flatfishes nei** | **Poissons plats nca** | | | **Peces planos nep** | | ***Pleuronectiformes*** | | | **1,81** | | **FLX** |
| USSR | | 0 | 0 | 3 | 3 | 8 | 0 | 20 | 71 | - | - |
| *Species total* | *Q* | *0* | *0* | *3* | *3* | *8* | *0* | *20* | *71* | - | - |
| | *V* | *0* | *0* | *6* | *7* | *18* | *0* | *46* | *178* | - | - |
| **Bastard halibut** | **Cardeau hirame** | | | **Falso halibut del Japón** | | ***Paralichthys olivaceus*** | | | **1,83(01)046,01** | | **BAH** |
| Japan | | 838 | 1 572 | 1 865 | 2 294 | 3 097 | 4 283 | 6 039 | 6 515 | 7 128 | 6 775 |
| Korea Rep | | | .. | . | 20 | 16 | 249 | 1 037 | 1 815 | 3 199 | 4 029 |
| *Species total* | *Q* | *838* | *1 572* | *1 865* | *2 314* | *3 113* | *4 532* | *7 076* | *8 330* | *10 327* | *10 804* |
| | *V* | *3 532* | *7 968* | *15 590* | *31 925* | *48 511* | *69 800* | *125 841* | *137 279* | *252 940* | *146 183* |
| **Common sole** | **Sole commune** | | | **Lenguado** | | ***Solea vulgaris*** | | | **1,83(03)007,01** | | **SOL** |
| Algeria | | - | - | - | - | - | - | 1 | 1 | 1 F | 1 F |
| Portugal | | 35 | 35 | 37 | 37 R | 39 | 4 | 2 | 3 | 5 | 4 |
| Spain | | | 7 | 10 | 6 | 6 F | 8 | 7 | 9 | 9 | 9 |
| Tunisia | | . | . | . | | | | 1 | 0 | 0 | 0 |
| *Species total* | *Q* | *35* | *42* | *47* | *43* | *45* | *12* | *11* | *13* | *15* | *14* |
| | *V* | *242* | *277* | *349* | *324* | *333* | *126* | *104* | *167* | *164* | *150* |
| **Turbot** | **Turbot** | | | **Rodaballo** | | ***Psetta maxima maxima*** | | | **1,83(05)092,01** | | **TUR** |
| Chile | | | | ... | . | .. | ... | ... | 1 F | 5 F | 34 |
| France | | 5 | 15 | 10 | 15 | 15 | 15 | 15 F | 100 F | 100 F | 100 F |
| Germany | | | | | | .. | 1 | 1 | 1 F | 0 | 0 |
| Norway | | | . | ... | 2 | 0 | 2 F | 0 | 2 F | 2 F | 2 F |
| Spain | | | 38 | 40 | 50 | 97 | 271 | 640 | 826 | 1 626 | 1 675 |
| *Species total* | *Q* | *5* | *53* | *50* | *67* | *112* | *289* | *656* | *930* | *1 733* | *1 811* |
| | *V* | *30* | *468* | *475* | *643* | *1 132* | *4 998* | *10 253* | *12 687* | *17 844* | *18 445* |
| ***Group total*** | ***Q*** | ***878*** | ***1 667*** | ***1 965*** | ***2 427*** | ***3 278*** | ***4 833*** | ***7 763*** | ***9 344*** | ***12 075*** | ***12 629*** |
| | ***V*** | ***3 804*** | ***8 713*** | ***16 420*** | ***32 899*** | ***49 994*** | ***74 924*** | ***136 244*** | ***150 311*** | ***270 948*** | ***164 778*** |

## B-32 Cods, hakes, haddocks
## Morues, merlus, églefins
## Bacalaos, merluzas, eglefinos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Atlantic cod** | **Morue de l'Atlantique** | | | **Bacalao del Atlántico** | | ***Gadus morhua*** | | | **1,48(04)002,02** | | **COD** |
| Canada | | ... | ... | ... | ... | 200 | 59 | 20 F | 20 F | 3 | 5 |
| Iceland | | - | - | - | - | - | - | - | - | - | 3 |
| Norway° | | ... | ... | ... | 5 | 15 | 10 F | 10 F | 20 F | 25 F | 20 F |
| *Species total* | *Q* | - | - | - | *5* | *215* | *69* | *30* | *40* | *28* | *28* |
| | *V* | - | - | - | *16* | *1 491* | *469* | *184* | *197* | *98* | *86* |
| ***Group total*** | ***Q*** | **-** | **-** | **-** | ***5*** | ***215*** | ***69*** | ***30*** | ***40*** | ***28*** | ***28*** |
| | ***V*** | **-** | **-** | **-** | ***16*** | ***1 491*** | ***469*** | ***184*** | ***197*** | ***98*** | ***86*** |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Hong Kong grouper** | **Mérou rouge tacheté** | | | **Mero de pintas rojas** | | ***Epinephelus akaara*** | | | **1,70(02)042,05** | | **EPA** |
| Hong Kong | | 130 F | 135 | 210 | 401 | 164 | 150 | 166 | 38 | 10 | 30 |
| *Species total* | *Q* | *130* | *135* | *210* | *401* | *164* | *150* | *166* | *38* | *10* | *30* |
| | *V* | *2 470* | *2 568* | *3 612* | *7 298* | *4 459* | *3 674* | *2 836* | *930* | *299* | *1 045* |
| **Greasy grouper** | **Merou loutre** | | | **Mero lutria** | | ***Epinephelus tauvina*** | | | **1,70(02)042,19** | | **EPT** |
| Hong Kong | | 100 F | 108 | 126 | 353 | 246 | 160 | 199 | 227 | 45 | 90 |
| Untd Arab Em | | . | | . . | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *100* | *108* | *126* | *354* | *246* | *160* | *199* | *227* | *45* | *90* |
| | *V* | *1 211* | *1 308* | *1 512* | *4 696* | *4 364* | *2 659* | *2 741* | *3 736* | *811* | *1 533* |
| **Brown spotted grouper** | **...B** | | | **...C** | | ***Epinephelus areolatus*** | | | **1,70(02)042,40** | | **EPR** |
| Hong Kong | | . . | | | | | | | | | 512 |
| *Species total* | *Q* | | | | | | | | | | *512* |
| | *V* | . | | . | | | | | | | *10 323* |
| **Groupers nei** | **Mérous nca** | | | **Meros nep** | | ***Epinephelus spp*** | | | **1,70(02)042** | | **GPX** |
| Malaysia | | 17 | 28 | 105 | 107 | 146 | 169 | 143 | 144 | 264 | 1 006 |
| Other Asia | | 203 | 838 | 971 | 1 224 | 1 067 | 408 | 2 206 | 1 229 | 1 125 | 3 942 |
| Singapore | | 114 | 94 | 129 | 129 | 130 | 127 | 153 | 153 | 233 | 147 |
| Thailand | | 149 | 117 | 161 | 343 | 358 | 447 | 415 | 355 | 916 | 1 000 |
| Tunisia | | . | | . | . | | . . | | | 2 | 1 F |
| *Species total* | *Q* | *483* | *1 077* | *1 366* | *1 803* | *1 701* | *1 151* | *2 917* | *1 881* | *2 540* | *6 096* |
| | *V* | *2 487* | *4 401* | *5 918* | *11 128* | *10 305* | *9 302* | *16 230* | *11 902* | *22 990* | *45 501* |
| **Murray perch** | **...B** | | | **...C** | | ***Maccullochella peeli*** | | | **1,70(02)176,01** | | **MCP** |
| Australia | | - | - | - | - | - | - | - | - | 11 | 10 |
| *Species total* | *Q* | - | - | - | - | - | - | - | - | *11* | *10* |
| | *V* | - | - | - | - | - | - | - | - | *254* | *211* |
| **...A** | **...B** | | | **...C** | | ***Plectropomus maculatus*** | | | **1,70(02)208,01** | | **PLM** |
| Singapore | | . . | | | | 11 | 18 | 32 | 45 | 67 | 70 |
| *Species total* | *Q* | . | | | | *11* | *18* | *32* | *45* | *67* | *70* |
| | *V* | | | | | *169* | *314* | *477* | *834* | *1 233* | *840* |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Groupers, seabasses nei** | **Serranidés nca** | | | **Meros, chernas, nep** | | ***Serranidae*** | | | **1,70(02)** | | **BSX** |
| Philippines | | ... | ... | ... | ... | ... | ... | 2 363 | 6 765 | 349 | 772 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | *2 363* | *6 765* | *349* | *772* |
| | *V* | ... | ... | ... | ... | ... | ... | *5 876* | *47 159* | *4 537* | *4 648* |
| **European seabass** | **Bar européen** | | | **Lubina** | | ***Dicentrarchus labrax*** | | | **1,70(06)345,03** | | **BSS** |
| Algeria | | 2 | 4 F | 5 F | 6 F | 7 | 5 F | 2 | 4 | 4 F | 4 F |
| Cyprus | | 1 | 1 | 1 | 0 | 3 | 10 | 15 | 15 | 29 | 33 |
| Egypt | | ... | ... | ... | ... | ... | ... | ... | 720 | 720 | 1 139 |
| France | | ... | 70 | 90 | 140 | 145 | 250 F | 300 F | 300 F | 250 F | 250 F |
| Greece | | ... | ... | 90 | 70 F | 110 F | 300 | 1 952 | 2 530 | 5 043 | 7 345 |
| Italy | | 280 | 340 | 550 | 750 | 930 | 1 100 | 1 050 | 1 538 | 1 826 | 2 000 |
| Malta | | ... | ... | ... | ... | ... | ... | ... | 150 | 350 | 400 |
| Morocco | | ... | ... | ... | ... | ... | ... | ... | 56 | 121 | 120 |
| Portugal | | 35 | 42 | 52 | 52 | 52 | 5 | 2 | 3 | 8 | 83 |
| Spain | | ... | 11 | 31 | 38 | 29 | 24 | 31 | 92 | 143 | 370 |
| Tunisia | | 2 | 15 | 30 | 40 | 316 | 300 F | 283 | 305 | 161 | 419 |
| *Species total* | *Q* | *320* | *483* | *849* | *1 096* | *1 592* | *1 994* | *3 635* | *5 713* | *8 655* | *12 163* |
| | *V* | *3 292* | *4 772* | *10 363* | *16 061* | *20 596* | *31 540* | *60 012* | *92 061* | *148 949* | *167 171* |
| **Seabasses** | **Bars** | | | **Lubinas** | | ***Dicentrarchus spp*** | | | **1,70(06)345** | | **BSE** |
| Croatia | | ... | ... | ... | ... | ... | ... | ... | ... | 383 | 174 |
| Turkey | | ... | ... | ... | 5 | 5 | 51 | 102 | 777 | 808 | 500 F |
| Yugoslav SFR | | ... | 20 | 100 | 50 F | 70 F | 200 F | 160 F | 100 F | - | - |
| *Species total* | *Q* | ... | *20* | *100* | *55* | *75* | *251* | *262* | *877* | *1 191* | *674* |
| | *V* | ... | *240* | *1 200* | *660* | *900* | *4 918* | *5 036* | *15 886* | *21 459* | *11 077* |
| **Largemouth black bass** | **...B** | | | **Perca atruchada** | | ***Micropterus salmoides*** | | | **1,70(10)014,02** | | **MPS** |
| Cuba | | ... | ... | ... | ... | ... | ... | ... | ... | 9 | 7 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | ... | ... | *9* | *7* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *9* | *7* |
| **Mangrove red snapper** | **Vivaneau des mangroves** | | | **Pargo de manglar** | | ***Lutjanus argentimaculatus*** | | | **1,70(32)027,02** | | **RES** |
| Hong Kong | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 572 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | ... | ... | ... | *572* |
| | *V* | | | | | | | | | | *7 017* |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Snappers nei** | **Vivaneaux nca** | | | **Pargos nep** | | ***Lutjanus spp*** | | | **1,70(32)027** | | **SNA** |
| Brunei Darus | | .. | ... | ... | .. | .. | . | .. | ... | . | 2 |
| Malaysia | | 2 | 3 | 35 | 72 | 123 | 103 | 121 | 421 | 87 | 966 |
| Nigeria | | ... | ... | ... | ... | ... | ... | ... | 207 | 767 | 700 |
| Singapore | | 16 | 30 | 41 | 35 | 49 | 69 | 61 | 83 | 93 | 70 |
| *Species total* | *Q* | *18* | *33* | *76* | *107* | *172* | *172* | *182* | *711* | *947* | *1 738* |
| | *V* | *119* | *113* | *269* | *403* | *736* | *544* | *540* | *2 662* | *3 631* | *6 971* |
| **Snappers, jobfishes, nei** | **Lutianidés nca** | | | **Lutjánidos nep** | | ***Lutjanidae*** | | | **1,70(32)** | | **SNX** |
| Other Asia | | .. | .. | ... | .. | ... | .. | ... | 15 | 4 | 93 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | ... | *15* | *4* | *93* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | *112* | *30* | *400* |
| **Golden perch** | **...B** | | | **...C** | | ***Macquaria ambigua*** | | | **1,70(36)301,02** | | **MCA** |
| Australia | | . | ... | .. | . | ... | ... | 10 | 60 | 11 | 12 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | *10* | *60* | *11* | *12* |
| | *V* | ... | ... | ... | ... | ... | ... | *77* | *942* | *127* | *100* |
| **Red drum** | **Tambour rouge** | | | **Corvinón ocelado** | | ***Sciaenops ocellatus*** | | | **1,70(37)411,01** | | **RDM** |
| Bahamas | | ... | .. | ... | .. | ... | 3 | 3 | 0 | 0 | 0 |
| Martinique | | ... | . | . | 1 | 0 | 3 | 2 | 10 | 15 | 10 |
| *Species total* | *Q* | ... | ... | ... | *1* | *0* | *6* | *5* | *10* | *15* | *10* |
| | *V* | ... | ... | ... | *10* | *0* | *38* | *35* | *89* | *149* | *97* |
| **White seabream** | **Sar commun** | | | **Sargo** | | ***Diplodus sargus sargus*** | | | **1,70(39)033,03** | | **SWA** |
| Turkey | | | ... | 1 | 25 | 30 | 1 | 1 | 100 | 100 | 100 F |
| *Species total* | *Q* | ... | ... | *1* | *25* | *30* | *1* | *1* | *100* | *100* | *100* |
| | *V* | ... | ... | *15* | *375* | *450* | *15* | *15* | *1 500* | *1 500* | *1 500* |
| **Sargo breams, nei** | **Sars, saraillons, nca** | | | **Sargos, raspallones, nep** | | ***Diplodus spp*** | | | **1,70(39)033** | | **SRG** |
| Tunisia | | ... | ... | . . | . | . | . | 90 | 90 F | 136 | 52 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | *90* | *90* | *136* | *52* |
| | *V* | ... | ... | ... | ... | ... | ... | *900* | *900* | *1 700* | *510* |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Red porgy** | **Pagre rouge** | | | **Pargo** | | ***Pagrus pagrus*** | | | **1,70(39)191,03** | | **RPG** |
| Greece | | | | | | | | | .. | | 37 |
| *Species total* | *Q* | | | | | | | | | | *37* |
| | *V* | | | | | | | | | | *296* |
| **Silver seabream** | **Dorade du Japon** | | | **Dorada del Japón** | | ***Pagrus major*** | | | **1,70(39)191,08** | | **SIS** |
| Hong Kong | | 200 F | 202 | 336 | 235 | 20 | 60 | 80 | 27 | 0 | 0 |
| Japan | | 26 156 | 28 430 | 33 497 | 37 838 | 45 220 | 45 536 | 51 636 | 60 127 | 65 950 | 72 696 |
| Korea Rep | | 8 | 23 | 60 F | 106 | 1 | 129 | 228 | 356 | 117 | 142 |
| Other Asia | | | | .. | | .. | | 21 | 0 | 0 | 76 |
| *Species total* | *Q* | *26 364* | *28 655* | *33 893* | *38 179* | *45 241* | *45 725* | *51 965* | *60 510* | *66 067* | *72 914* |
| | *V* | *195 382* | *205 198* | *341 695* | *447 566* | *469 199* | *468 054* | *570 305* | *667 965* | *727 205* | *816 942* |
| **Goldlined seabream** | **Sargue doré** | | | **Sargo dorado** | | ***Rhabdosargus sarba*** | | | **1,70(39)224,02** | | **RSS** |
| Hong Kong | | 200 F | 202 | 336 | 754 | 1 529 | 950 | 830 | 1 207 | 1 253 | 963 |
| Saudi Arabia | | | | | | | | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *200* | *202* | *336* | *754* | *1 529* | *950* | *830* | *1 207* | *1 253* | *963* |
| | *V* | *1 220* | *1 234* | *1 915* | *4 411* | *10 168* | *6 555* | *6 372* | *9 335* | *10 458* | *8 845* |
| **Gilthead seabream** | **Dorade royale** | | | **Dorada** | | ***Sparus aurata*** | | | **1,70(39)235,08** | | **SBG** |
| Algeria | | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 F | 1 F |
| Croatia | | | | | | . | ... | | | 45 | 30 |
| Cyprus | | | | | 2 | 2 | 16 F | 35 | 42 | 42 | 136 |
| Egypt | | ... | ... | ... | | ... | ... | | 720 | 720 | 720 |
| France | | 5 | 15 | 10 | 10 | 170 | 20 F | 30 F | 30 F | 50 F | 50 F |
| Greece | | ... | ... | .. | 65 F | 220 F | 490 | 1 598 | 2 069 | 4 126 | 6 012 |
| Israel | | ... | ... | 30 | 45 | 60 | 80 | 84 F | 71 F | 54 | 155 |
| Italy | | 320 | 360 | 450 | 550 | 750 | 850 | 850 | 965 | 1 070 | 1 300 |
| Malta | | | | . | | . | | | 50 F | 150 | 250 |
| Morocco | | ... | ... | ... | | . | | | 96 | 254 | 255 |
| Portugal | | 35 | 45 | 67 | 67 | 69 | 19 | 105 | 295 | 369 | 289 |
| Spain | | ... | 127 | 124 | 109 | 153 | 344 | 565 | 1 073 | 1 675 | 2 007 |
| Tunisia | | 15 | 5 | 20 | 25 | 194 | 120 F | 85 | 3 | 131 | 95 F |
| Turkey | | ... | ... | 34 | 65 | 100 | 798 | 1 031 | 910 | 937 | 330 F |
| Yugoslav SFR | | 2 | 5 | 10 | 35 F | 60 | 100 F | 50 F | 30 F | - | - |
| *Species total* | *Q* | *378* | *557* | *745* | *973* | *1 778* | *2 837* | *4 435* | *6 355* | *9 624* | *11 630* |
| | *V* | *3 764* | *5 939* | *9 437* | *13 567* | *23 805* | *43 517* | *67 769* | *92 553* | *132 451* | *117 675* |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Crimson seabream** | **...B** | | | **...C** | | ***Evynnis japonica*** | | | **1,70(39)295,02** | | **ENJ** |
| Japan | | 127 | 73 | 346 | 300 | 133 | 505 | 94 | 52 | 117 | 122 |
| *Species total* | *Q* | *127* | *73* | *346* | *300* | *133* | *505* | *94* | *52* | *117* | *122* |
| | *V* | *482* | *370* | *2 892* | *2 704* | *1 351* | *5 151* | *959* | *530* | *1 193* | *1 281* |
| **Dark seabream** | **...B** | | | **...C** | | ***Acanthopagrus macrocephalus*** | | | **1,70(39)330,04** | | **MLM** |
| Japan | | 158 | 243 | 165 | 104 | 123 | 129 | 136 | 117 | 118 | 103 |
| Other Asia | | | | | | | | 318 | 341 | 778 | 3 042 |
| *Species total* | *Q* | *158* | *243* | *165* | *104* | *123* | *129* | *454* | *458* | *896* | *3 145* |
| | *V* | *599* | *1 232* | *1 379* | *937* | *1 249* | *1 316* | *3 037* | *3 692* | *7 391* | *20 985* |
| **Porgies, seabreams, nei** | **Dentés, spares, nca** | | | **Dentones, sargos, nep** | | ***Sparidae*** | | | **1,70(39)** | | **SBX** |
| Cyprus | | - | - | - | - | - | - | - | - | - | 1 |
| Other Asia | | - | - | 24 | 337 | 476 | 355 | 177 | 403 | 412 | 668 |
| Portugal | | - | - | - | - | - | 1 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | - | - | *24* | *337* | *476* | *356* | *177* | *403* | *412* | *669* |
| | *V* | - | - | *94* | *2 201* | *2 870* | *2 398* | *1 272* | *2 537* | *2 522* | *4 594* |
| **Scats** | **...B** | | | **...C** | | ***Scatophagus spp*** | | | **1,70(51)330** | | **SCT** |
| Philippines | | | | | | | | | 11 | 7 F | 2 |
| *Species total* | *Q* | | | | | | | | *11* | *7* | *2* |
| | *V* | | | | | | | | *28* | *18* | *6* |
| **White-spotted spinefoot** | **Sigan pintade** | | | **Sigano pintado** | | ***Siganus canaliculatus*** | | | **1,73(03)001,08** | | **SCN** |
| Saudi Arabia | | | | 2 | 1 | 1 | 0 | 1 | 1 F | 0 | 0 |
| Singapore | | | | | | | | 7 | 0 | 0 | 0 |
| Untd Arab Em | | 7 | 7 | 7 | 3 | 6 | 2 | 2 F | 2 F | 2 F | 3 F |
| *Species total* | *Q* | *7* | *7* | *9* | *4* | *7* | *2* | *10* | *3* | *2* | *3* |
| | *V* | *32* | *19* | *30* | *14* | *22* | *6* | *125* | *10* | *7* | *11* |
| **Spinefeet(=Rabbitfishes)** | **Sigans** | | | **Siganos** | | ***Siganus spp*** | | | **1,73(03)001** | | **SPI** |
| Fiji | | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| Philippines | | | | | | | | | | | 11 |
| *Species total* | *Q* | | | | | *0* | *0* | *0* | *0* | *0* | *11* |
| | *V* | | | | | *0* | *0* | *0* | *0* | *0* | *13* |

## B-33 Redfishes, basses, congers
## Rascasses, perches de mer, congres
## Gallinetas, lubinas, congrios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Filefishes** | ...B | | | ...C | | *Cantherines(=Navodon)spp* | | | 1,89(03)004 | | FLF |
| Japan | | 31 | 53 | 41 | 68 | 49 | 45 | 67 | 177 | 99 | 92 |
| *Species total* | Q | *31* | *53* | *41* | *68* | *49* | *45* | *67* | *177* | *99* | *92* |
| | V | *233* | *398* | *308* | *544* | *392* | *405* | *603* | *1 593* | *891* | *846* |
| **Puffers nei** | Compères nca | | | Tamboriles nep | | *Tetraodontidae* | | | 1,90(02) | | PUX |
| Japan | | 461 | 750 | 806 | 1 028 | 1 156 | 1 657 | 2 895 | 2 893 | 4 068 | 4 427 |
| *Species total* | Q | *461* | *750* | *806* | *1 028* | *1 156* | *1 657* | *2 895* | *2 893* | *4 068* | *4 427* |
| | V | *5 829* | *9 504* | *14 438* | *22 382* | *28 353* | *42 419* | *74 112* | *73 772* | *101 700* | *110 675* |
| ***Group total*** | **Q** | ***28 777*** | ***32 396*** | ***39 093*** | ***45 589*** | ***54 483*** | ***56 109*** | ***70 789*** | ***88 601*** | ***96 635*** | ***117 016*** |
| | **V** | ***217 120*** | ***237 296*** | ***395 077*** | ***534 957*** | ***579 388*** | ***622 825*** | ***819 329*** | ***1 030 728*** | ***1 191 514*** | ***1 341 120*** |

## B-34 Jacks, mullets, sauries
## Chinchards, mulets, balaous
## Jureles, lisas, papardas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flathead grey mullet** | **Mulet à grosse tête** | | | **Pardete** | | ***Mugil cephalus*** | | | **1,65(01)001,02** | | **MUF** |
| Egypt | | ... | 1 500 F | 500 F | 1 400 F | 2 200 F | 5 500 F | 6 000 | 7 300 | 8 260 | 6 992 |
| Fiji | | ... | ... | ... | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hong Kong | | 325 | 400 | 570 | 550 | 634 | 610 | 605 | 580 | 520 | 674 |
| Israel | | 702 | 793 | 469 | 558 | 748 | 940 | 802 | 960 | 684 | 895 |
| Italy | | 1 100 | 1 100 | 1 700 | 1 200 | 1 200 | 1 100 | 1 200 | 1 300 | 981 | 1 000 |
| Korea Rep | | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Asia | | 1 054 | 843 | 788 | 1 502 | 1 348 | 954 | 919 | 790 | 1 079 | 1 935 |
| Tunisia | | ... | ... | ... | 5 F | 42 F | 20 F | 5 F | 42 F | 119 F | 337 F |
| *Species total* | *Q* | *3 181* | *4 637* | *4 027* | *5 216* | *6 173* | *9 124* | *9 531* | *10 972* | *11 643* | *11 833* |
| | *V* | *6 408* | *10 291* | *9 490* | *13 908* | *16 590* | *34 582* | *37 639* | *40 186* | *42 273* | *43 368* |
| **Thinlip grey mullet** | **Mulet porc** | | | **Morragute** | | ***Liza ramada*** | | | **1,65(01)012,02** | | **MGC** |
| Tunisia | | ... | 5 | 10 | 7 | 55 | 10 | 2 | 8 F | 20 | 63 F |
| *Species total* | *Q* | ... | *5* | *10* | *7* | *55* | *10* | *2* | *8* | *20* | *63* |
| | *V* | ... | *9* | *20* | *15* | *129* | *20* | *4* | *16* | *91* | *251* |
| **Mullets nei** | **Mulets nca** | | | **Lizas nep** | | ***Mugilidae*** | | | **1,65(01)** | | **MUL** |
| Albania | | ... | ... | 1 | 1 | 3 | 1 | 2 F | 1 F | 1 F | 1 F |
| Algeria | | 22 | 25 | 30 | 36 | 32 | 20 | 19 | 18 | 18 F | 20 F |
| El Salvador | | ... | 568 | 654 | 518 | 484 | 484 | 484 | 22 | 16 | 16 |
| Guam | | - | - | - | - | - | - | 0 | 1 | 0 | 0 |
| Indonesia | | 4 346 | 3 902 | 4 283 | 4 770 | 6 927 | 7 048 | 7 415 | 7 032 | 8 685 | 10 000 |
| Italy | | 2 100 | 2 100 | 3 500 | 2 300 | 2 300 | 2 100 | 2 300 | 2 200 | 1 961 | 2 000 |
| Nigeria | | ... | ... | 272 | 299 | 329 | 330 F | 288 | 1 512 | 245 | 210 F |
| Portugal | | 280 | 301 | 420 | 420 | 422 | 10 | 3 | 9 | 4 | 3 |
| Russian Fed. | | ... | ... | ... | ... | ... | ... | ... | ... | - | 10 |
| South Africa | | ... | 20 | 20 | 20 F | 20 | 20 | 20 F | 20 F | 20 F | 30 F |
| Spain | | ... | 95 | 165 | 90 | 75 F | 64 | 118 | 56 | 56 F | 60 F |
| Thailand | | 391 | 268 | 261 | 307 | 139 | 108 | ... | ... | 169 | 171 |
| Turkey | | - | - | - | - | - | - | - | 5 | 5 | 5 F |
| Ukraine | | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 75 |
| Untd Arab Em | | ... | ... | ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| USSR | | 100 F | 100 F | 161 | 88 | 77 | - | 40 | 40 | - | - |
| *Species total* | *Q* | *7 239* | *7 379* | *9 767* | *8 853* | *10 808* | *10 185* | *10 689* | *10 916* | *11 183* | *12 601* |
| | *V* | *6 166* | *7 468* | *13 019* | *14 401* | *17 739* | *23 075* | *20 533* | *23 152* | *23 586* | *25 307* |
| **...A** | **...B** | | | **Pejerrey** | | ***Basilichthys bonariensis*** | | | **1,65(02)016,03** | | **BCB** |
| Bolivia | | ... | ... | ... | ... | ... | 8 | 290 | 20 | - | - |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *8* | *290* | *20* | - | - |
| | *V* | ... | ... | ... | ... | ... | *12* | *481* | *17* | - | - |

## B-34 Jacks, mullets, sauries
## Chinchards, mulets, balaous
## Jureles, lisas, papardas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Bluefish** | **Tassergal** | | | **Anjova** | | ***Pomatomus saltatrix*** | | | **1,70(20)213,01** | | **BLU** |
| Tunisia | | . | | | | | | | . . | 29 | |
| *Species total* | *Q* | | . | . . . | | | . . . | | . | *29* | . . |
| | *V* | | | . | | | | | | *435* | |
| **Japanese jack mackerel** | **Chinchard du Japon** | | | **Jurel japonés** | | ***Trachurus japonicus*** | | | **1,70(23)004,03** | | **JJM** |
| Japan | | 3 710 | 5 008 | 4 588 | 5 562 | 6 455 | 6 655 | 5 863 | 5 889 | 7 161 | 6 454 |
| *Species total* | *Q* | *3 710* | *5 008* | *4 588* | *5 562* | *6 455* | *6 655* | *5 863* | *5 889* | *7 161* | *6 454* |
| | *V* | *4 676* | *6 346* | *10 684* | *8 986* | *39 983* | *41 194* | *36 351* | *36 512* | *42 966* | *40 015* |
| **Jack and horse mackerels nei** | **Chinchards noirs nca** | | | **Jureles nep** | | ***Trachurus spp*** | | | **1,70(23)004** | | **JAX** |
| Japan | | 498 | 461 | 613 | 947 | 881 | 959 | 1 368 | 1 758 | 1 853 | 2 183 |
| *Species total* | *Q* | *498* | *461* | *613* | *947* | *881* | *959* | *1 368* | *1 758* | *1 853* | *2 183* |
| | *V* | *630* | *584* | *1 427* | *2 101* | *2 202* | *2 445* | *3 488* | *4 483* | *4 725* | *5 458* |
| **Jacks, crevalles, nei** | **Chinchards, carangues, nca** | | | **Jureles, pámpanos, nep** | | ***Caranx spp*** | | | **1,70(23)044** | | **TRE** |
| Brunei Darus | | . . | | . | | | . | | | | 1 |
| *Species total* | *Q* | | | . . . | | . | . | | | | *1* |
| | *V* | . | | | | | . . | | | | *6* |
| **Asian pompano** | **...B** | | | **...C** | | ***Trachinotus blochii*** | | | **1,70(23)047,01** | | **POO** |
| Hong Kong | | | | | | | . | | | | 331 |
| *Species total* | *Q* | . | . | . | | | . . . | . | | . . | *331* |
| | *V* | | | . | . | | | | | | *7 992* |
| **Greater amberjack** | **Sériole couronnée** | | | **Pez de limón** | | ***Seriola dumerili*** | | | **1,70(23)048,01** | | **AMB** |
| Spain | | | 13 | 9 | 20 | 13 | 17 | 21 | 31 | 31 F | 30 F |
| *Species total* | *Q* | | *13* | *9* | *20* | *13* | *17* | *21* | *31* | *31* | *30* |
| | *V* | | *104* | *72* | *160* | *104* | *170* | *210* | *394* | *400* | *390* |
| **Japanese amberjack** | **Sériole du Japon** | | | **Medregal del Japón** | | ***Seriola quinqueradiata*** | | | **1,70(23)048,02** | | **AMJ** |
| Japan | | 152 498 | 150 961 | 145 878 | 158 867 | 165 928 | 153 164 | 161 106 | 161 077 | 148 701 | 141 646 |
| Korea Rep | | 323 | 1 351 | 2 910 | 1 418 | 1 258 | 1 569 | 462 | 893 | 287 | 153 |

## B-34 Jacks, mullets, sauries
## Chinchards, mulets, balaous
## Jureles, lisas, papardas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Species total* | *Q* | *152 821* | *152 312* | *148 788* | *160 285* | *167 186* | *154 733* | *161 568* | *161 970* | *148 988* | *141 799* |
| | *V* | *603 570* | *603 979* | *875 402* | *1 043 954* | *1 039 971* | *953 555* | *890 242* | *1 050 132* | *969 512* | *991 964* |
| ***Group total*** | ***Q*** | ***167 449*** | ***169 815*** | ***167 802*** | ***180 890*** | ***191 571*** | ***181 691*** | ***189 332*** | ***191 564*** | ***180 908*** | ***175 295*** |
| | ***V*** | ***621 450*** | ***628 781*** | ***910 114*** | ***1 083 525*** | ***1 116 718*** | ***1 055 053*** | ***988 948*** | ***1 154 892*** | ***1 083 988*** | ***1 114 751*** |

## B-35 Herrings, sardines, anchovies
## Harengs, sardines, anchois
## Arenques, sardinas, anchoas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tarpon | Tarpon argenté | | | Tarpón | | | *Tarpon atlanticus* | | 1,21(02)051,01 | | TAR |
| Colombia | | ... | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | *3* | *3* | *3* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | ... | *6* | *5* | *7* | *0* | *0* | *0* | *0* | *0* | *0* |
| ***Group total*** | ***Q*** | ... | ***3*** | ***3*** | ***3*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |
| | ***V*** | ... | ***6*** | ***5*** | ***7*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** | ***0*** |

## B-36 Tunas, bonitos, billfishes
## Thons, pélamides, marlins
## Atunes, bonitos, agujas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Northern bluefin tuna** | **Thon rouge du nord** | | | **Atún común(Cimarrón)** | | | ***Thunnus thynnus*** | | **1,75(01)026,01** | | **BFT** |
| Australia | | ... | ... | ... | ... | ... | ... | ... | ... | 107 | 535 |
| Canada | | 50 | ... | ... | ... | ... | 0 | 0 | 0 | - | - |
| Spain | | ... | 38 | 60 | 99 | 47 | 237 | 358 | 16 | 16 F | 20 F |
| *Species total* | *Q* | *50* | *38* | *60* | *99* | *47* | *237* | *358* | *16* | *123* | *555* |
| | *V* | *193* | *190* | *300* | *495* | *235* | *1 185* | *1 790* | *105* | *1 177* | *9 157* |
| ***Group total*** | ***Q*** | ***50*** | ***38*** | ***60*** | ***99*** | ***47*** | ***237*** | ***358*** | ***16*** | ***123*** | ***555*** |
| | ***V*** | ***193*** | ***190*** | ***300*** | ***495*** | ***235*** | ***1 185*** | ***1 790*** | ***105*** | ***1 177*** | ***9 157*** |

## B-39 Miscellaneous marine fishes
## Poissons marins divers
## Peces marinos diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Marine fishes nei** | **Poissons marins nca** | | | **Peces marinos nep** | | ***Osteichthyes*** | | | **1,99** | | **MZZ** |
| Brunei Darus | | | | | | ... | . . | . | . | . . | 2 |
| China | | 9 358 | 13 653 | 19 036 | 29 464 | 32 671 | 33 000 F | 33 000 F | 47 182 | 58 716 | 71 672 |
| Egypt | | . | | | | ... | | . | . | ... | 288 |
| El Salvador | | | | | . | ... | ... | ... | ... | 298 | 369 |
| Hong Kong | | 550 F | 875 | 985 | 1 093 | 1 299 | 1 529 | 1 879 | 2 361 | 1 905 | 301 |
| Japan | | 829 | 975 | 1 350 | 1 153 | 2 408 | 2 344 | 2 694 | 3 459 | 2 789 | 3 627 |
| Korea Rep | | . | 38 | 5 | 229 | 15 | 714 | 929 | 130 | 992 | 5 |
| Kuwait | | . . | 2 F | 3 F | 5 F | 8 F | 10 F | 0 | 0 | 5 F | 5 F |
| Malaysia | | 4 | 68 | 4 | 1 | 0 | 0 | 0 | 86 | 200 | 639 |
| Martinique | | | | | 6 | 0 | 1 | 0 | 0 | 0 | 0 |
| Mauritius | | 16 | 16 | 11 | 11 | 11 | 15 | 16 | 16 | 18 | 23 |
| Other Asia | | 1 772 | 2 188 | 2 672 | 1 993 | 1 184 | 1 384 | 537 | 94 | 524 | 3 020 |
| Philippines | | . | ... | . . | | ... | ... | . . | ... | 2 769 | - |
| Reunion | | | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | | | . | | | . . | | 170 | 170 | 179 | 188 |
| Singapore | | | | | | | 18 | 0 | 503 | 0 | 0 |
| Spain | | | | | | | | 971 | 201 | 254 | 298 |
| Tunisia | | . | | . | | . | . | 197 | 170 F | 30 | - |
| *Species total* | *Q* | *12 529* | *17 816* | *24 069* | *33 960* | *37 596* | *39 015* | *40 393* | *54 372* | *68 679* | *80 437* |
| | *V* | *14 473* | *20 662* | *29 349* | *38 717* | *48 063* | *51 603* | *61 372* | *81 093* | *100 543* | *97 092* |
| ***Group total*** | ***Q*** | ***12 529*** | ***17 816*** | ***24 069*** | ***33 960*** | ***37 596*** | ***39 015*** | ***40 393*** | ***54 372*** | ***68 679*** | ***80 437*** |
| | ***V*** | ***14 473*** | ***20 662*** | ***29 349*** | ***38 717*** | ***48 063*** | ***51 603*** | ***61 372*** | ***81 093*** | ***100 543*** | ***97 092*** |

# B-41 Freshwater crustaceans
# Crustacés d'eau douce
# Crustáceos de agua dulce

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Giant river prawn** | **Bouquet géant** | | | **Langostino de río** | | | ***Macrobrachium rosenbergii*** | | **2,28(12)023,07** | | **PRF** |
| Argentina | | - | - | - | - | - | - | - | - | 2 | 7 |
| Brazil | | 400 F | 400 F | 400 F | 500 F | 600 F | 700 F | 600 F | 550 | 650 | 700 F |
| Brunei Darus | | ... | ... | ... | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Colombia | | 5 | 1 | 1 | 1 | 3 | 50 | 60 | 30 | 55 | 10 |
| Costa Rica | | 2 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 10 |
| Dominica | | - | - | - | - | - | - | - | - | 4 | 1 |
| Dominican Rp | | 50 | 100 | 100 | 120 | 100 | 50 | 50 F | 43 | 164 | 739 |
| Ecuador | | ... | ... | ... | 745 | 764 | 764 | 849 | 870 | 850 | 800 |
| El Salvador | | ... | ... | ... | 1 | 0 | 1 | 4 | 7 | 8 | 9 |
| Fiji | | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 6 | 85 |
| Fr Guiana | | 2 | 15 | 36 | 71 | 63 | 89 | 83 | 83 | 80 | 80 |
| Fr Polynesia | | 13 | 14 | 13 | 17 | 20 | 20 | 17 | 15 | 11 | 8 |
| Guadeloupe | | 40 | 31 | 35 F | 40 F | 42 | 44 | 42 | 44 | 35 | 40 |
| Guam | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | | ... | 5 | 4 | 12 | 10 F | 8 F | 10 F | 7 | 35 | 32 |
| Honduras | | 27 | 18 | 7 | 10 F | 5 F | 0 | 0 | 0 | 0 | 0 |
| India | | ... | ... | ... | ... | ... | 150 | 198 | 196 | 2 000 | 3 835 |
| Israel | | 25 | 25 | 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Jamaica | | 15 | 15 | 19 | 20 | 30 | 30 | 30 F | 30 F | 30 F | 40 F |
| Japan | | 24 | 33 | 39 | 55 | 46 | 32 | 34 | 19 | 20 | 21 |
| Malawi | | 4 | 5 | 6 | 8 | 6 | 6 F | 6 F | 3 F | 3 F | 5 F |
| Malaysia | | 67 | 84 | 79 | 5 | 68 | 128 | 137 | 135 | 94 | 52 |
| Martinique | | 27 | 35 | 50 | 53 | 52 | 57 | 49 | 52 | 38 | 42 |
| Mauritius | | 23 | 25 | 27 | 48 | 48 | 50 | 42 | 47 | 55 | 42 |
| Mexico | | 325 | 325 | 350 | 361 | 410 | 353 | 201 | 139 | 167 | 175 |
| Myanmar | | 7 | 10 | 8 F | 6 F | 5 F | 4 | 3 | 3 | 5 F | 3 |
| NewCaledonia | | ... | ... | ... | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other Asia | | 1 315 | 697 | 1 382 | 1 354 | 4 355 | 6 725 | 11 607 | 16 196 | 7 665 | 5 475 |
| Panama | | 3 | 5 | 16 | 7 | 11 | 5 | 6 | 8 | 5 | 5 |
| Peru | | ... | ... | ... | 18 | 15 F | 10 F | 5 F | 4 F | 1 | 1 |
| Puerto Rico | | ... | ... | ... | 97 | 76 | 224 | 242 | 172 | 439 | 246 |
| Reunion | | ... | 4 | 6 | 7 | 3 | 2 | 2 | 3 | 3 | 3 |
| Saint Lucia | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Solomon Is | | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Suriname | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thailand | | 3 103 | 2 457 | 4 507 | 11 839 | 11 837 | 7 949 | 6 503 | 7 800 | 10 306 | 10 513 |
| Trinidad Tob | | ... | ... | ... | ... | ... | ... | ... | 6 | 6 F | 6 F |
| USA | | 144 | 131 | 81 | 91 | 130 | 159 | 184 | 184 | 147 | 159 |
| Venezuela | | ... | ... | ... | 1 | 5 F | 10 F | 20 F | 31 | 22 | 20 F |
| Zimbabwe | | 6 | 9 | 10 | 12 | 13 | 13 F | 15 F | 12 F | 10 F | 10 F |
| *Species total* | *Q* | *5 657* | *4 448* | *7 198* | *15 509* | *18 728* | *17 645* | *21 011* | *26 703* | *22 928* | *23 177* |
| | *V* | *35 164* | *27 322* | *38 241* | *79 380* | *116 953* | *79 014* | *115 964* | *142 432* | *114 981* | *127 675* |
| **Red swamp crawfish** | **Ecrevisse rouge de marais** | | | **Cangrejo de las marismas** | | | ***Procambarus clarkii*** | | **2,29(03)011,01** | | **RCW** |
| Costa Rica | | ... | ... | ... | ... | ... | ... | ... | 200 | 200 | 200 |
| Spain | | ... | ... | ... | 3 100 | 2 689 | 2 690 | 2 500 | 2 213 | 2 200 F | 2 000 F |
| USA | | 27 000 | 29 545 | 44 318 | 43 182 | 29 931 | 30 000 | 32 205 | 27 481 | 28 591 | 25 757 |
| Zambia | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0 |
| *Species total* | *Q* | *27 000* | *29 545* | *44 318* | *46 282* | *32 620* | *32 690* | *34 705* | *29 894* | *30 991* | *27 957* |
| | *V* | *29 700* | *32 500* | *48 750* | *66 841* | *56 811* | *66 130* | *76 637* | *75 580* | *76 381* | *67 590* |

## B-41 Freshwater crustaceans
## Crustacés d'eau douce
## Crustáceos de agua dulce

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Signal crayfish** | ...B | | | ...C | | ***Pacifastacus leniusculus*** | | | **2,29(03)076,01** | | **PCL** |
| UK Engld Wal | | . | | | 2 | 5 | 10 | 15 | 10 | 7 | 3 |
| *Species total* | *Q* | | | | *2* | *5* | *10* | *15* | *10* | *7* | *3* |
| | *V* | | | | *20* | *60* | *140* | *240* | *180* | *161* | *54* |
| **Marron crayfish** | ...B | | | ...C | | ***Cherax tenuimanus*** | | | **2,29(03)173,01** | | **CRT** |
| Australia | | 8 | 4 | 8 | 10 | 3 | 7 | 14 | 15 | 17 | 19 |
| *Species total* | *Q* | *8* | *4* | *8* | *10* | *3* | *7* | *14* | *15* | *17* | *19* |
| | *V* | *217* | *78* | *168* | *199* | *59* | *149* | *291* | *310* | *327* | *335* |
| **Yabby crayfish** | ...B | | | ...C | | ***Cherax destructor*** | | | **2,29(03)173,02** | | **CDT** |
| Australia | | 0 | 1 | 1 | 3 | 9 | 31 | 63 | 87 | 114 | 149 |
| Samoa | | | | | | . | . | | . | 0 | 0 |
| *Species total* | *Q* | *0* | *1* | *1* | *3* | *9* | *31* | *63* | *87* | *114* | *149* |
| | *V* | *0* | *5* | *4* | *12* | *66* | *278* | *505* | *656* | *877* | *974* |
| **Red claw crayfish** | ...B | | | ...C | | ***Cherax quadricarinatus*** | | | **2,29(03)173,03** | | **CRP** |
| Australia | | | | | | 7 | 166 | 32 | 33 | 40 | 41 |
| Samoa | | | | | | | | | | 0 | 0 |
| Zambia | | | | | | . . | | | . | | 0 |
| *Species total* | *Q* | | | | | *7* | *166* | *32* | *33* | *40* | *41* |
| | *V* | | | | | *117* | *2 154* | *392* | *375* | *431* | *415* |
| **Crayfishes** | **Ecrevisses** | | | **Cangrejos de río** | | ***Astacus spp, Cambarus spp*** | | | **2,29(03)** | | **AYS** |
| Austria | | | | | . | | | | 5 | 5 | 5 |
| France | | 5 | 3 | 5 | 13 | 14 | 5 | 5 | 5 | 10 | 20 |
| Romania | | 18 | 25 | 30 | 11 | - | 0 | - | - | - | - |
| Spain | | | | . . . | . . . | | | 6 | 5 | 5 | 5 F |
| Sweden | | 2 | 1 | 1 | 1 | 3 | 4 | 8 | 8 | 8 | 11 |
| *Species total* | *Q* | *25* | *29* | *36* | *25* | *17* | *9* | *19* | *23* | *28* | *41* |
| | *V* | *266* | *300* | *375* | *265* | *273* | *237* | *449* | *484* | *560* | *729* |
| **Freshwater crustaceans nei** | **Crustacés d'eau douce nca** | | | **Crustáceos de agua dulce nep** | | ***Crustacea*** | | | **2,99** | | **FCX** |
| Russian Fed | | | | . . . | . . . | | | | | 1 | 1 |
| Senegal | | 1 | 5 | 6 | 7 | 3 | 3 | 2 | 2 F | 6 | 10 |
| Viet Nam | | 5 000 | 5 000 | 6 000 | 8 600 | 8 000 | 9 000 F | 10 000 F | 11 000 F | 12 000 | 12 000 F |

## B-41 Freshwater crustaceans
## Crustacés d'eau douce
## Crustáceos de agua dulce

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Species total* | *Q* | *5 001* | *5 005* | *6 006* | *8 607* | *8 003* | *9 003* | *10 002* | *11 002* | *12 007* | *12 011* |
| | *V* | *40 006* | *40 030* | *48 052* | *68 870* | *64 030* | *67 519* | *75 029* | *88 028* | *96 053* | *96 114* |
| ***Group total*** | ***Q*** | ***37 691*** | ***39 032*** | ***57 567*** | ***70 438*** | ***59 392*** | ***59 561*** | ***65 861*** | ***67 767*** | ***66 132*** | ***63 398*** |
| | ***V*** | ***105 353*** | ***100 235*** | ***135 590*** | ***215 587*** | ***238 369*** | ***215 621*** | ***269 507*** | ***308 045*** | ***289 771*** | ***291 856*** |

## B-42 Sea-spiders, crabs
## Araignées de mer, crabes
## Centollas, cangrejos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Swimcrabs** | **Crabes** | | | **Jaibas** | | ***Portunus spp*** | | | **2,29(11)004** | | **CRS** |
| Indonesia | | 2 | 23 | 21 | 8 | 10 | 9 | 11 | 70 | - | - |
| *Species total* | *Q* | *2* | *23* | *21* | *8* | *10* | *9* | *11* | *70* | - | - |
| | *V* | *1* | *12* | *17* | *8* | *12* | *13* | *15* | *105* | - | - |
| **Indo-Pacific swamp crab** | **Crabe de palétuviers** | | | **Cangrejo de manglares** | | ***Scylla serrata*** | | | **2,29(11)140,01** | | **MUD** |
| Australia | | - | - | - | - | - | - | - | - | 0 | 0 |
| Indonesia | | 314 | 315 | 758 | 691 | 1 222 | 1 790 | 2 111 | 1 145 | 2 605 | 4 000 |
| Malaysia | | 2 | 24 | 16 | 5 | 99 | 26 | 3 | 0 | 1 | 294 |
| Mauritius | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| Other Asia | | 1 490 | 1 617 | 1 414 | 1 134 | 784 | 717 | 1 294 | 1 241 | 930 | 1 350 |
| Philippines | | 833 | 833 | 1 034 | 1 122 | 1 136 | 1 422 | 1 000 F | 597 | 4 000 F | 5 653 |
| Singapore | | 255 | 213 | 211 | 330 | 256 | 205 | 161 | 195 | 284 | 415 |
| Thailand | | 115 | 178 | 223 | 113 | 32 | 30 F | 30 F | 30 F | 39 | 50 |
| *Species total* | *Q* | *3 010* | *3 181* | *3 657* | *3 396* | *3 530* | *4 191* | *4 601* | *3 210* | *7 862* | *11 765* |
| | *V* | *12 079* | *12 072* | *12 848* | *13 480* | *14 016* | *14 669* | *18 067* | *17 092* | *32 785* | *56 440* |
| **Chinese river crab** | **...B** | | | **...C** | | ***Eriocheir sinensis*** | | | **2,29(13)028,03** | | **ERS** |
| China | | | | | | | 3 305 | 4 833 | 8 433 | 9 509 | 17 641 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *3 305* | *4 833* | *8 433* | *9 509* | *17 641* |
| | *V* | ... | ... | ... | ... | ... | *24 788* | *36 248* | *63 248* | *71 318* | *123 487* |
| **Spinous spider crab** | **Araignée européenne** | | | **Centolla europea** | | ***Maja squinado*** | | | **2,29(21)005,01** | | **SCR** |
| Spain | | | | | 52 | 26 | 8 | | | | |
| *Species total* | *Q* | ... | ... | ... | *52* | *26* | *8* | | | | |
| | *V* | ... | ... | ... | *104* | *52* | *32* | | | | |
| **Marine crabs nei** | **Crabes de mer nca** | | | **Cangrejos de mar nep** | | ***Reptantia*** | | | **2,99** | | **CRA** |
| Other Asia | | 24 | 22 | 4 | 0 | 8 | 35 | 24 | 60 | 231 | 74 |
| Turks Caicos | | | | | | | | | 0 | 0 | 0 |
| Viet Nam | | 5 000 F | 5 000 F | 5 000 F | 6 000 F | 6 000 F | 6 000 F | 7 000 F | 7 000 F | 8 000 F | 10 000 F |
| *Species total* | *Q* | *5 024* | *5 022* | *5 004* | *6 000* | *6 008* | *6 035* | *7 024* | *7 060* | *8 231* | *10 074* |
| | *V* | *5 061* | *5 055* | *5 014* | *6 000* | *6 014* | *6 090* | *7 043* | *7 494* | *8 414* | *10 458* |
| ***Group total*** | ***Q*** | ***8 036*** | ***8 226*** | ***8 682*** | ***9 456*** | ***9 574*** | ***13 548*** | ***16 469*** | ***18 773*** | ***25 602*** | ***39 480*** |
| | ***V*** | ***17 141*** | ***17 139*** | ***17 879*** | ***19 592*** | ***20 094*** | ***45 592*** | ***61 373*** | ***87 939*** | ***112 517*** | ***190 385*** |

## B-43 Lobsters, spiny-rock lobsters
## Homards, langoustes
## Bogavantes, langostas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Longlegged spiny lobster** | **Langouste diablotin** | | | **Langosta duende** | | ***Panulirus longipes*** | | | **2,29(01)001,01** | | **LOJ** |
| Other Asia | | 4 | 6 | 2 | 5 | 25 | 6 | 40 | 51 | 21 | 11 |
| *Species total* | *Q* | *4* | *6* | *2* | *5* | *25* | *6* | *40* | *51* | *21* | *11* |
| | *V* | *71* | *124* | *51* | *126* | *1 282* | *251* | *2 211* | *2 347* | *772* | *549* |
| **Tropical spiny lobsters nei** | **Langoustes tropicales nca** | | | **Langostas tropical nep** | | ***Panulirus spp*** | | | **2,29(01)001** | | **SLV** |
| Singapore | | 13 | 16 | 11 | 16 | 24 | 39 | 39 | 33 | 41 | 32 |
| *Species total* | *Q* | *13* | *16* | *11* | *16* | *24* | *39* | *39* | *33* | *41* | *32* |
| | *V* | *174* | *98* | *67* | *97* | *334* | *700* | *732* | *631* | *881* | *673* |
| **Palinurid spiny lobsters nei** | **Langoustes 'Palinurus' nca** | | | **Langostas 'Palinurus' nep** | | ***Palinurus spp*** | | | **2,29(01)008** | | **CRW** |
| Spain | | . . . | . . . | . . . | 41 | 41 | 19 | . | | | |
| *Species total* | *Q* | . . . | . . . | . . . | *41* | *41* | *19* | | | | |
| | *V* | . . . | . . . | . . . | *492* | *492* | *228* | . | | | |
| ***Group total*** | ***Q*** | ***17*** | ***22*** | ***13*** | ***62*** | ***90*** | ***64*** | ***79*** | ***84*** | ***62*** | ***43*** |
| | ***V*** | ***245*** | ***222*** | ***118*** | ***715*** | ***2 108*** | ***1 179*** | ***2 943*** | ***2 978*** | ***1 653*** | ***1 222*** |

## B-45 Shrimps, prawns
## Crevettes
## Gambas, camarones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Banana prawn** | **Crevette banane** | | | **Langostino banana** | | ***Penaeus merguiensis*** | | | **2,28(01)001,03** | | **PBA** |
| Australia | | ... | ... | ... | ... | 2 | 0 | - | - | - | - |
| Indonesia | | 9 421 | 12 001 | 13 575 | 16 981 | 17 793 | 18 520 | 17 590 | 19 337 | 21 779 | 25 000 |
| Malaysia | | 2 | 6 | 1 | 119 | 152 | 105 | 155 | 155 | 142 | 56 |
| Philippines | | 2 500 | 2 500 | 2 481 | 2 690 | 2 727 | 3 458 | 779 | 1 445 | 761 | 115 |
| Singapore | | 40 | 85 | 118 | 106 | 72 | 54 | 78 | 55 | 57 | 77 |
| Thailand | | 8 657 | 10 397 | 11 031 | 8 843 | 9 226 | 8 270 | 7 670 | 5 812 | 4 752 | 5 500 |
| Viet Nam | | 1 600 F | 1 600 F | 2 000 F | 2 000 F | 2 520 F | 3 860 F | 4 200 F | 5 400 F | 6 000 F | 7 000 F |
| *Species total* | *Q* | *22 220* | *26 589* | *29 206* | *30 739* | *32 492* | *34 267* | *30 472* | *32 204* | *33 491* | *37 748* |
| | *V* | *69 762* | *89 932* | *101 305* | *101 736* | *115 921* | *124 436* | *128 893* | *135 499* | *137 232* | *155 973* |
| **Kuruma prawn** | **Crevette kuruma** | | | **Langostino japonés** | | ***Penaeus japonicus*** | | | **2,28(01)001,09** | | **KUP** |
| Australia | | ... | ... | ... | ... | ... | .. | ... | . | 10 | 22 |
| France | | ... | 3 | 11 | 13 | 14 | 0 | 6 | 0 | 0 | 0 |
| Italy | | ... | ... | ... | ... | ... | 29 | 32 | 32 | 33 | 24 |
| Japan | | 2 037 | 2 151 | 2 434 | 2 882 | 3 020 | 2 813 | 2 636 | 2 491 | 2 187 | 1 712 |
| Korea Rep | | 18 | 44 | 51 | 71 | 79 | 68 | 55 | 31 | 30 | 19 |
| Other Asia | | 160 | 429 | 817 | 1 330 | 3 747 | 5 784 | 6 643 | 11 469 | 5 439 | 659 |
| Portugal | | ... | ... | ... | ... | ... | 6 | 0 | 22 | 3 | 0 |
| Singapore | | ... | ... | ... | ... | ... | 5 | 4 | 0 | 0 | 0 |
| Spain | | ... | 16 | 16 | 20 | 55 | 54 | 41 | 32 | 42 | 55 |
| *Species total* | *Q* | *2 215* | *2 643* | *3 329* | *4 316* | *6 915* | *8 759* | *9 417* | *14 077* | *7 744* | *2 491* |
| | *V* | *44 696* | *49 922* | *79 321* | *120 327* | *201 953* | *195 501* | *199 048* | *231 836* | *176 234* | *88 524* |
| **Blue shrimp** | **Crevette bleue** | | | **Camarón azul** | | ***Penaeus stylirostris*** | | | **2,28(01)001,10** | | **PNS** |
| Colombia | | ... | ... | ... | ... | ... | ... | .. | 672 | 932 | 733 |
| Ecuador | | ... | ... | ... | 7 300 | 7 450 | 7 200 | 7 640 | 10 500 | 11 300 | 8 547 |
| El Salvador | | ... | 93 | 91 | 255 | 186 | 179 | 140 | 93 | 195 | 144 |
| Guatemala | | ... | ... | ... | ... | 78 | 65 F | 50 F | 0 | 0 | 0 |
| Nicaragua | | ... | ... | ... | ... | .. | . | .. | 17 | 14 | 15 F |
| Panama | | 601 | 1 200 | 1 260 | 1 164 | 400 F | 400 F | 300 F | 300 F | 300 F | 300 F |
| *Species total* | *Q* | *601* | *1 293* | *1 351* | *8 719* | *8 114* | *7 844* | *8 130* | *11 582* | *12 741* | *9 739* |
| | *V* | *4 628* | *10 902* | *11 984* | *65 514* | *61 242* | *48 866* | *34 257* | *54 815* | *55 437* | *46 665* |
| **Whiteleg shrimp** | **Crevette pattes blanches** | | | **Camarón patiblanco** | | ***Penaeus vannamei*** | | | **2,28(01)001,11** | | **PNV** |
| Bahamas | | 10 F | 12 | 12 F | 15 F | 15 F | 10 | 3 | 2 | 5 | 8 |
| Colombia | | ... | 810 | 1 500 | 1 500 | 3 361 | 3 000 | 6 000 | 6 045 | 8 499 | 6 594 |
| Costa Rica | | ... | ... | ... | 163 | 200 | 220 | 300 | 525 | 650 | 700 |
| Ecuador | | 33 600 | 30 205 | 30 683 | 65 653 | 67 030 | 64 800 | 68 780 | 94 738 | 101 837 | 76 925 |
| El Salvador | | ... | ... | ... | ... | 33 | 40 | . | | .. | . |
| Guatemala | | 26 | 384 | 450 | 531 | 707 | 539 | 727 | 590 | 620 | 647 |
| Nicaragua | | ... | ... | ... | 45 | 70 | 100 F | 100 F | 53 | 42 | 45 F |
| Panama | | 830 | 1 357 | 1 740 | 1 676 | 3 127 | 3 095 | 2 830 | 3 290 | 3 350 | 3 200 |
| Peru | | 1 739 | 1 468 | 1 644 | 3 062 | 3 500 | 3 353 | 3 000 | 5 000 | 3 771 | 3 109 |
| St Kitts Nev | | | | | | | | | 3 F | 3 F | 3 F |

## B-45 Shrimps, prawns / Crevettes / Gambas, camarones

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| USA | | 159 | 95 | 615 | 1 207 | 1 000 | 682 | 900 | 1 600 | 2 000 | 3 000 |
| *Species total* | *Q* | *36 364* | *34 331* | *36 644* | *73 852* | *79 043* | *75 839* | *82 640* | *111 846* | *120 777* | *94 231* |
| | *V* | *253 345* | *237 832* | *253 597* | *540 342* | *613 879* | *499 723* | *378 855* | *571 837* | *623 656* | *505 700* |
| **Giant tiger prawn** | **Crevette géante tigrée** | | | **Langostino jumbo** | | ***Penaeus monodon*** | | | **2,28(01)001,12** | | **GIT** |
| Australia | | ... | ... | 21 | 19 | 196 | 460 | 577 | 808 | 898 | 1 097 |
| Brunei Darus | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4 |
| Fiji | | 3 | 4 | 7 | 8 | 8 F | 7 | 7 F | 5 F | 10 | 10 |
| Indonesia | | 10 318 | 12 000 | 15 424 | 25 202 | 44 450 | 63 676 | 67 355 | 96 811 | 98 358 | 105 000 |
| Italy | | . . | ... | ... | ... | ... | 1 | 2 | 2 | 1 | 1 |
| Madagascar | | ... | ... | ... | ... | ... | 0 | 10 F | 38 | 30 | 790 |
| Malaysia | | 59 | 114 | 268 | 640 | 1 106 | 1 962 | 1 275 | 2 184 | 2 821 | 3 938 |
| Mauritius | | ... | .. | .. | .. | ... | 1 | 1 | 3 | 2 | 1 |
| Myanmar | | ... | ... | .. | ... | ... | 3 | 1 | 1 F | 1 F | 3 |
| Oman | | ... | ... | ... | 8 | 0 | 0 | - | - | - | - |
| Other Asia | | 15 615 | 16 715 | 44 387 | 78 548 | 30 603 | 16 672 | 8 570 | 10 216 | 10 426 | 8 904 |
| Pakistan | | ... | ... | ... | ... | 38 | 40 F | 38 | 38 | 35 | 35 |
| Philippines | | 26 357 | 26 537 | 27 980 | 32 380 | 41 458 | 43 539 | 47 591 | 45 740 | 75 996 | 86 096 |
| Saudi Arabia | | ... | ... | 0 | 1 | 2 | 10 | 51 | 135 | 179 | 188 |
| Seychelles | | ... | .. | ... | ... | ... | 7 | 15 | 12 | 15 F | 15 F |
| Solomon Is | | ... | .. | ... | 6 | 5 | 3 | 5 | 6 | 6 F | 6 F |
| South Africa | | - | - | - | - | - | - | - | - | 39 | 40 F |
| Sri Lanka | | 10 | 250 | 400 | 500 F | 669 F | 700 F | 650 F | 700 F | 750 F | 750 F |
| Thailand | | 170 | 106 | 897 | 10 544 | 40 774 | 81 492 | 107 970 | 155 069 | 179 358 | 210 000 |
| Viet Nam | | 6 000 F | 6 000 F | 7 500 F | 7 500 F | 9 450 F | 14 480 F | 15 750 F | 20 250 F | 22 500 F | 26 250 F |
| *Species total* | *Q* | *58 532* | *61 726* | *96 884* | *155 356* | *168 759* | *223 053* | *249 868* | *332 018* | *391 427* | *443 128* |
| | *V* | *326 137* | *347 688* | *577 793* | *840 892* | *1 141 192* | *1 365 541* | *1 660 728* | *2 161 574* | *2 449 328* | *2 919 395* |
| **Eastern king prawn** | **Crevette royale orientale** | | | **Langostino real oriental** | | ***Penaeus plebejus*** | | | **2,28(01)001,13** | | **PNP** |
| Australia | | . | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | *1* | *4* | *5* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | ... | *9* | *25* | *40* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Fleshy prawn** | **Crevette charnue** | | | **Langostino carnoso** | | ***Penaeus chinensis*** | | | **2,28(01)001,16** | | **FLP** |
| China | | 19 300 | 40 664 | 82 827 | 153 272 | 199 418 | 185 890 | 184 817 | 219 571 | 206 866 | 87 856 |
| Korea Rep | | 75 | 39 | 82 | 113 | 102 | 234 | 257 | 465 | 562 | 272 |
| *Species total* | *Q* | *19 375* | *40 703* | *82 909* | *153 385* | *199 520* | *186 124* | *185 074* | *220 036* | *207 428* | *88 128* |
| | *V* | *104 692* | *219 827* | *447 727* | *1 226 855* | *1 496 645* | *1 396 979* | *1 390 828* | *1 546 779* | *1 460 832* | *661 791* |
| **Caramote prawn** | **Caramote** | | | **Langostino** | | ***Penaeus kerathurus*** | | | **2,28(01)001,17** | | **TGS** |
| Algeria | | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *0* | *1* | *1* | *2* | *2* | *0* | *0* | *0* | *0* | *0* |
| | *V* | *0* | *13* | *14* | *29* | *26* | *0* | *0* | *0* | *0* | *0* |

## B-45 Shrimps, prawns
## Crevettes
## Gambas, camarones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Green tiger prawn** | **Crevette tigrée verte** | | | **Langostino tigre verde** | | ***Penaeus semisulcatus*** | | | **2,28(01)001,20** | | **TIP** |
| Untd Arab Em | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Brown tiger prawn** | **Crevette tigrée sombre** | | | **Langostino tigre marrón** | | ***Penaeus esculentus*** | | | **2,28(01)001,21** | | **PRB** |
| Australia | | | 1 | 1 | 0 | 10 | 0 | 7 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | *1* | *1* | *0* | *10* | *0* | *7* | *0* | *0* | *0* |
| | *V* | ... | *9* | *13* | *0* | *217* | *0* | *52* | *0* | *0* | *0* |
| **Northern white shrimp** | **Crevette ligubam du nord** | | | **Camarón blanco norteño** | | ***Penaeus setiferus*** | | | **2,28(01)001,22** | | **PST** |
| USA | | 67 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *67* | *23* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | *435* | *147* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Indian white prawn** | **Crevette blanche des Indes** | | | **Langostino blanco de la India** | | ***Penaeus indicus*** | | | **2,28(01)001,25** | | **PNI** |
| Cyprus | | - | - | - | - | - | - | - | - | - | 0 |
| Mauritius | | | | | | | | | | | 0 |
| Philippines | | | | | | | ... | | ... | | 115 |
| Viet Nam | | 400 F | 400 F | 500 F | 500 F | 630 F | 960 F | 1 050 F | 1 350 F | 1 500 F | 1 750 F |
| *Species total* | *Q* | *400* | *400* | *500* | *500* | *630* | *960* | *1 050* | *1 350* | *1 500* | *1 865* |
| | *V* | *1 520* | *1 520* | *2 000* | *2 000* | *2 520* | *4 032* | *4 725* | *6 210* | *7 200* | *9 128* |
| **Redtail prawn** | **Crevette queue rouge** | | | **Langostino colorado** | | ***Penaeus penicillatus*** | | | **2,28(01)001,30** | | **REP** |
| Other Asia | | | | | | | 745 | 1 769 | 877 | 907 | 2 233 |
| *Species total* | *Q* | | | | | | *745* | *1 769* | *877* | *907* | *2 233* |
| | *V* | | | | | | *5 005* | *13 186* | *6 814* | *9 767* | *26 740* |
| **Penaeus shrimps nei** | **Crevettes 'Penaeus' nca** | | | **Langostinos nep** | | ***Penaeus spp*** | | | **2,28(01)001** | | **PEN** |
| Belize | | | 10 F | 50 F | 200 F | 200 F | 542 | 300 F | 157 | 157 F | 127 |
| Brazil | | 200 F | 350 F | 450 | 500 | 800 F | 1 300 F | 1 700 F | 2 000 | 2 100 | 2 100 F |
| Dominican Rp | | 0 | 90 F | 198 | 200 | 173 | 136 | 90 | 35 | 100 F | 200 |
| Fr Polynesia | | 4 | 8 | 11 | 16 | 40 | 59 | 61 | 60 | 56 | 60 |
| Gambia | | | | | | | 53 | 60 | | | |
| Guam | | - | - | - | - | - | - | 0 | 1 | 10 | 20 |
| Honduras | | 552 | 276 | 792 | 1 769 | 2 724 | 3 000 F | 3 269 | 4 032 | 5 500 | 8 124 |
| India | | 10 000 F | 13 000 F | 14 000 F | 15 000 F | 20 000 F | 28 000 F | 29 985 | 35 500 | 40 000 | 47 000 |
| Kenya | | 2 | 3 | 5 | 4 | 3 | 50 F | 227 | 169 | 119 | 106 |

## B-45 Shrimps, prawns
## Crevettes
## Gambas, camarones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Korea Rep | | ... | 4 | 10 F | 17 | 0 | 0 | 0 | 15 | 0 | 0 |
| Mexico | | ... | 35 | 43 | 286 | 500 F | 1 000 F | 1 500 F | 2 475 | 2 500 F | 2 500 F |
| NewCaledonia | | 54 | 95 | 65 | 87 | 231 | 292 | 490 | 644 | 733 | 632 |
| Other Asia | | 94 | ... | 2 771 | 6 756 | 3 531 | ... | ... | ... | ... | ... |
| Thailand | | 1 527 | 1 702 | 2 286 | 1 476 | 2 073 | 1 236 | 1 870 | 200 | 81 | 100 |
| Uruguay | | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2 |
| Venezuela | | ... | ... | ... | 1 | 50 F | 100 F | 300 F | 551 | 1 363 | 1 400 F |
| *Species total* | *Q* | *12 433* | *15 573* | *20 681* | *26 312* | *30 325* | *35 768* | *39 852* | *45 839* | *52 720* | *62 371* |
| | *V* | *62 064* | *86 608* | *112 259* | *172 873* | *212 088* | *266 686* | *252 821* | *257 882* | *388 555* | *458 725* |
| **Eastern school shrimp** | **Crevette de maclay** | | | **Camarón maclayo** | | | ***Metapenaeus macleayi*** | | **2,28(01)016,04** | | **MPM** |
| Australia | | ... | 13 | 2 | 2 | 30 | 10 | 10 | 2 | 0 | 0 |
| *Species total* | *Q* | ... | *13* | *2* | *2* | *30* | *10* | *10* | *2* | *0* | *0* |
| | *V* | ... | *106* | *13* | *16* | *153* | *82* | *77* | *17* | *0* | *0* |
| **Endeavour shrimp** | **Crevette devo** | | | **Camarón australiano** | | | ***Metapenaeus endeavouri*** | | **2,28(01)016,06** | | **ENS** |
| Philippines | | 448 | 896 F | 620 | 670 | 682 | 864 | 5 619 | 4 249 | 1 640 | 9 490 |
| *Species total* | *Q* | *448* | *896* | *620* | *670* | *682* | *864* | *5 619* | *4 249* | *1 640* | *9 490* |
| | *V* | *1 702* | *3 459* | *1 336* | *813* | *905* | *1 287* | *12 248* | *9 589* | *7 991* | *40 598* |
| **Metapenaeus shrimps nei** | **Crevette 'metapenaeus' nca** | | | **Camarones nep** | | | ***Metapenaeus spp*** | | **2,28(01)016** | | **MET** |
| Indonesia | | 12 250 | 12 330 | 11 889 | 13 784 | 14 980 | 15 032 | 20 961 | 20 248 | 21 449 | 24 000 |
| Other Asia | | 901 | 1 197 | 1 214 | 989 | 1 168 | 763 | 677 | 699 | 602 | 541 |
| Pakistan | | ... | ... | ... | ... | 2 | 2 F | 3 | 3 | 3 | 3 |
| Thailand | | 2 653 | 3 635 | 3 672 | 2 703 | 3 560 | 2 498 | 2 000 F | 970 | 693 | 1 000 |
| *Species total* | *Q* | *15 804* | *17 162* | *16 775* | *17 476* | *19 710* | *18 295* | *23 641* | *21 920* | *22 747* | *25 544* |
| | *V* | *17 335* | *20 841* | *22 790* | *35 521* | *51 440* | *63 207* | *84 861* | *82 741* | *87 334* | *95 632* |
| **Atlantic seabob** | **Crevette seabob(Atlantique)** | | | **Camarón siete barbas** | | | ***Xiphopenaeus kroyeri*** | | **2,28(01)022,01** | | **BOB** |
| Guyana | | 3 | 15 F | 53 | 36 | 40 F | 45 F | 45 F | 50 F | 45 F | 45 F |
| *Species total* | *Q* | *3* | *15* | *53* | *36* | *40* | *45* | *45* | *50* | *45* | *45* |
| | *V* | *9* | *45* | *191* | *130* | *144* | *162* | *162* | *200* | *180* | *180* |
| **Penaeid shrimps** | **Crevettes pénéidées** | | | **...C** | | | ***Penaeidae*** | | **2,28(01)** | | **PEZ** |
| Cuba | | ... | ... | ... | 345 | 502 | . | . | | | |
| *Species total* | *Q* | ... | ... | ... | *345* | *502* | . | . | | | |
| | *V* | ... | ... | ... | *2 243* | *3 263* | ... | | | | |

## B-45 Shrimps, prawns
## Crevettes
## Gambas, camarones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Akiami paste shrimp** | **Chevrette akiami** | | | **Camaroncillo akiami** | | ***Acetes japonicus*** | | | **2,28(07)009,03** | | **AKS** |
| Indonesia | | 104 | 100 | 929 | 3 014 | 2 500 F | 1 900 F | 1 389 | 3 735 | 104 | |
| *Species total* | *Q* | *104* | *100* | *929* | *3 014* | *2 500* | *1 900* | *1 389* | *3 735* | *104* | . |
| | *V* | *21* | *20* | *232* | *754* | *750* | *665* | *556* | *1 681* | *52* | . . |
| **Common prawn** | **Bouquet commun** | | | **Camarón común** | | ***Palaemon serratus*** | | | **2,28(12)018,10** | | **CPR** |
| Spain | | | | 40 | 40 | 12 | 15 | 160 | 60 | 60 F | 50 F |
| *Species total* | *Q* | | . . | *40* | *40* | *12* | *15* | *160* | *60* | *60* | *50* |
| | *V* | | | *120* | *120* | *42* | *53* | *560* | *217* | *223* | *188* |
| **Natantian decapods nei** | **Décapodes natantia nca** | | | **Decápodos natantia nep** | | ***Natantia*** | | | **2,28** | | **DCP** |
| Bangladesh | | 8 219 | 11 282 | 14 658 | 14 773 | 16 577 | 18 235 | 18 624 | 19 555 | 21 000 | 23 125 |
| Costa Rica | | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Asia | | 232 | 271 | 429 | 641 | 458 | 58 | 467 | 57 | 319 | 2 041 |
| *Species total* | *Q* | *8 453* | *11 557* | *15 091* | *15 414* | *17 035* | *18 293* | *19 091* | *19 612* | *21 319* | *25 166* |
| | *V* | *36 589* | *47 628* | *53 981* | *55 042* | *59 201* | *67 950* | *112 655* | *115 239* | *121 977* | *137 781* |
| ***Group total*** | ***Q*** | ***177 019*** | ***213 027*** | ***305 020*** | ***490 183*** | ***566 321*** | ***612 781*** | ***658 234*** | ***819 457*** | ***874 650*** | ***802 229*** |
| | ***V*** | ***922 935*** | ***1 116 508*** | ***1 664 701*** | ***3 165 247*** | ***3 961 581*** | ***4 040 175*** | ***4 274 512*** | ***5 182 930*** | ***5 525 998*** | ***5 147 020*** |

## B-47 Miscellaneous marine crustaceans
## Crustacés marins divers
## Crustáceos marinos diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Brine shrimp** | **Crevette de salines** | | | **Artemia** | | | ***Artemia salina*** | | **2,02(02)001,01** | | **AMS** |
| Australia | | | | | | | | . | 3 | 4 | 4 |
| Bahamas | | | | | | | 1 | 0 | 0 | 0 | 0 |
| Madagascar | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Species total* | *Q* | - | - | - | - | - | *1* | *0* | *3* | *4* | *4* |
| | *V* | - | - | - | - | - | *5* | *0* | *259* | *308* | *281* |
| **Marine crustaceans nei** | **Crustacés marins nca** | | | **Crustáceos marinos nep** | | | ***Crustacea*** | | **2,99** | | **CRU** |
| China | | 2 721 | 2 001 | 2 540 | 2 731 | 2 901 | 4 333 | 4 354 | 5 989 | 8 599 | 16 582 |
| Japan | | 41 | 16 | 21 | 76 | 23 | 45 | 36 | 29 | 44 | 33 |
| Korea D P Rp | | 11 000 | 11 000 F | 11 000 F | 12 000 F | 12 000 F | 12 500 F | 12 500 F | 13 000 F | 13 000 F | 13 000 F |
| Tunisia | | | | . . . | | . | | 3 | 0 | 0 | 0 |
| *Species total* | *Q* | *13 762* | *13 017* | *13 561* | *14 807* | *14 924* | *16 878* | *16 893* | *19 018* | *21 643* | *29 615* |
| | *V* | *129 577* | *142 174* | *150 513* | *164 972* | *164 954* | *178 840* | *178 758* | *199 525* | *212 831* | *237 779* |
| ***Group total*** | ***Q*** | ***13 762*** | ***13 017*** | ***13 561*** | ***14 807*** | ***14 924*** | ***16 879*** | ***16 893*** | ***19 021*** | ***21 647*** | ***29 619*** |
| | ***V*** | ***129 577*** | ***142 174*** | ***150 513*** | ***164 972*** | ***164 954*** | ***178 845*** | ***178 758*** | ***199 784*** | ***213 139*** | ***238 060*** |

## B-51 Freshwater molluscs
## Mollusques d'eau douce
## Moluscos de agua dulce

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Japanese corbicula** | **Cyrène japonaise** | | | **Corbicula japonesa** | | ***Corbicula japonica*** | | | **3,17(21)025,02** | | **CMJ** |
| Other Asia | | 8 381 | 9 045 | 9 641 | 8 143 | 9 054 | 9 418 | 15 922 | 12 819 | 10 925 | 11 005 |
| *Species total* | *Q* | *8 381* | *9 045* | *9 641* | *8 143* | *9 054* | *9 418* | *15 922* | *12 819* | *10 925* | *11 005* |
| | *V* | *8 204* | *9 242* | *8 972* | *12 638* | *15 831* | *26 878* | *99 717* | *22 461* | *21 062* | *19 374* |
| **Freshwater molluscs nei** | **Mollusques d'eau douce nca** | | | **Moluscos de agua dulce nep** | | ***Mollusca*** | | | **3,99** | | **MOF** |
| Costa Rica | | 10 | 15 | 15 | 4 | 5 | 4 | 5 | 5 | 4 | 5 |
| Guatemala | | . . . | . . . | . . . | . . . | . . . | . . . | | . . | 2 | 3 |
| Japan | | 190 | 41 | 16 | 9 | 8 | 6 | 5 | 9 | 6 | 4 |
| Korea Rep | | 576 | 600 | 687 | 1 228 | 2 125 | 493 | 545 | 290 | 244 | 85 |
| *Species total* | *Q* | *776* | *656* | *718* | *1 241* | *2 138* | *503* | *555* | *304* | *256* | *97* |
| | *V* | *481* | *601* | *475* | *1 118* | *2 030* | *570* | *598* | *491* | *328* | *305* |
| ***Group total*** | ***Q*** | ***9 157*** | ***9 701*** | ***10 359*** | ***9 384*** | ***11 192*** | ***9 921*** | ***16 477*** | ***13 123*** | ***11 181*** | ***11 102*** |
| | ***V*** | ***8 685*** | ***9 843*** | ***9 447*** | ***13 756*** | ***17 861*** | ***27 448*** | ***100 315*** | ***22 952*** | ***21 390*** | ***19 679*** |

## B-52 Abalones, winkles, conchs
## Ormeaux, bigorneaux, strombes
## Orejas de mar, bígaros, estrombos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blacklip abalone** | **Ormeau à lèvres noires** | | | **Oreja de mar de labios negros** | | ***Haliotis rubra*** | | | **3,07(03)001,13** | | **ABR** |
| Australia | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Species total* | *Q* | - | - | - | - | - | - | - | - | *0* | *0* |
| | *V* | - | - | - | - | - | - | - | - | *0* | *0* |
| **Abalones nei** | **Ormeaux nca** | | | **Orejas de mar nep** | | ***Haliotis spp*** | | | **3,07(03)001** | | **ABX** |
| Korea Rep | | 17 | 6 | 19 | ... | ... | ... | ... | ... | ... | ... |
| Other Asia | | 144 | 253 | 502 | 1 072 | 1 157 | 915 | 1 124 | 1 294 | 1 355 | 1 051 |
| USA | | ... | 23 | 281 | ... | 56 | .. | . | | | |
| *Species total* | *Q* | *161* | *282* | *802* | *1 072* | *1 213* | *915* | *1 124* | *1 294* | *1 355* | *1 051* |
| | *V* | *3 573* | *6 073* | *12 458* | *28 612* | *38 518* | *19 208* | *22 102* | *24 279* | *34 431* | *18 429* |
| **Periwinkles nei** | **Bigorneaux nca** | | | **Bígaros nep** | | ***Littorina spp*** | | | **3,10(03)001** | | **PER** |
| France | | ... | ... | ... | ... | ... | 800 F | 800 F | 1 003 | 807 | 800 F |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *800* | *800* | *1 003* | *807* | *800* |
| | *V* | ... | ... | ... | ... | ... | *8 000* | *8 000* | *11 033* | *9 684* | *9 600* |
| **Stromboid conchs** | **Strombes** | | | **Cobos** | | ***Strombus spp*** | | | **3,10(16)002** | | **CON** |
| Neth Antiles | | ... | ... | ... | 21 | 10 F | 10 F | 10 F | 10 F | 5 F | 5 F |
| Turks Caicos | | ... | ... | ... | 360 | 100 F | 10 F | 5 F | 2 | 2 | 1 |
| *Species total* | *Q* | ... | ... | ... | *381* | *110* | *20* | *15* | *12* | *7* | *6* |
| | *V* | ... | ... | ... | *917* | *525* | *85* | *60* | *41* | *44* | *28* |
| ***Group total*** | ***Q*** | ***161*** | ***282*** | ***802*** | ***1 453*** | ***1 323*** | ***1 735*** | ***1 939*** | ***2 309*** | ***2 169*** | ***1 857*** |
| | ***V*** | ***3 573*** | ***6 073*** | ***12 458*** | ***29 529*** | ***39 043*** | ***27 293*** | ***30 162*** | ***35 353*** | ***44 159*** | ***28 057*** |

## B-53 Oysters / Huîtres / Ostras

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Chilean flat oyster** | **Huître plate chilienne** | | | **Ostra chilena** | | | ***Ostrea chilensis*** | | **3,16(07)002,03** | | **OCH** |
| Chile | | 120 | 274 | 254 | 164 | 185 | 290 | 192 | 432 | 195 | 684 |
| *Species total* | *Q* | *120* | *274* | *254* | *164* | *185* | *290* | *192* | *432* | *195* | *684* |
| | *V* | *120* | *356* | *381* | *287* | *370* | *638* | *480* | *1 080* | *488* | *1 710* |
| **European flat oyster** | **Huître plate européenne** | | | **Ostra** | | | ***Ostrea edulis*** | | **3,16(07)002,05** | | **OYF** |
| Canada | | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Croatia | | . | . | . . . | . . . | . . . | . . . | . | . . | 18 | 20 |
| France | | 2 269 | 1 467 | 2 390 | 2 374 | 1 975 | 1 500 | 2 077 | 1 469 | 1 766 | 2 000 |
| Ireland | | 398 | 216 | 100 | 160 | 220 F | 300 F | 430 F | 450 F | 374 | 280 |
| Italy | | 5 000 | 5 000 | 5 000 | 5 000 | 3 000 | 1 500 | - | - | - | - |
| Netherlands | | | | | | . | . . . | . | | 382 | 127 |
| Norway | | | | 4 | 5 | 5 | 6 | 4 | . | . | . . |
| Portugal | | | | | | | . | | 9 | 18 | 9 |
| South Africa | | - | - | - | - | - | - | - | - | 1 | 0 |
| Spain | | 3 000 | 3 264 | 3 174 | 3 156 | 3 269 | 3 289 | 2 857 | 2 247 | 2 662 | 2 697 |
| Sweden | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UK Engld Wal | | | | | 80 | 97 | 42 | 151 | 45 | 209 | 190 |
| UK No Ireld | | | | | | | 16 | 29 | 21 | 42 | 104 |
| UK Scotland | | | | . . | . . . | 2 | 2 | 4 | 10 | 15 | 16 |
| USA | | 61 | 62 | 48 | 21 | 136 | 29 | 34 | 34 | 21 | 51 |
| Yugoslav SFR | | 181 | 78 | 154 | 64 | 48 | 185 | 79 | 45 F | - | - |
| *Species total* | *Q* | *10 911* | *10 087* | *10 875* | *10 860* | *8 752* | *6 869* | *5 665* | *4 330* | *5 508* | *5 494* |
| | *V* | *40 896* | *37 913* | *44 065* | *47 472* | *41 963* | *24 889* | *20 170* | *19 340* | *26 012* | *23 293* |
| **Olympia flat oyster** | **Huître plate indigène** | | | **Ostra plegata** | | | ***Ostrea lurida*** | | **3,16(07)002,06** | | **OFO** |
| USA | | 10 | 9 | 28 | 27 | 149 | 25 | 26 | 23 | 25 | 21 |
| *Species total* | *Q* | *10* | *9* | *28* | *27* | *149* | *25* | *26* | *23* | *25* | *21* |
| | *V* | *53* | *51* | *167* | *110* | *1 337* | *87* | *122* | *24* | *35* | *38* |
| **Flat oysters nei** | **Huîtres plates nca** | | | **Ostras nep** | | | ***Ostrea spp*** | | **3,16(07)002** | | **OYX** |
| Australia | | - | - | - | - | - | - | - | - | 22 | 23 |
| *Species total* | *Q* | - | - | - | - | - | - | - | - | *22* | *23* |
| | *V* | - | - | - | - | - | - | - | - | *186* | *121* |
| **Pacific cupped oyster** | **Huître creuse du Pacifique** | | | **Ostión japonés** | | | ***Crassostrea gigas*** | | **3,16(07)008,01** | | **OYG** |
| Algeria | | 5 | 5 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 |
| Australia | | 561 | 19 | 645 | 582 | 1 516 F | 1 664 | 1 690 | 2 893 | 2 593 | 2 517 |
| Canada | | 2 897 | 3 420 | 2 864 | 3 482 | 3 701 | 3 473 | 3 856 | 4 800 | 4 748 | 5 250 |
| Chile | | 28 | 25 | 244 | 80 | 139 | 206 | 144 | 371 | 123 | 435 |
| China | | 40 688 | 50 872 | 54 994 | 65 543 | 73 954 | 73 248 | 82 354 | 87 422 | 123 008 | 168 420 |
| France | | 106 267 | 135 595 | 138 292 | 127 987 | 127 745 | 119 411 | 131 456 | 116 265 | 119 447 | 123 000 |

## B-53 Oysters / Huîtres / Ostras

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Germany | | . . . | | 10 | 24 | 52 | 85 | 91 | 90 | 106 | 84 |
| Hong Kong | | 576 | 512 | 1 280 | 1 066 | 853 | 730 | 805 | 640 | 533 | 533 |
| Ireland | | 110 | 101 | 120 | 104 | 150 | 200 | 361 | 1 300 | 1 726 | 1 500 |
| Japan | | 257 126 | 251 247 | 251 574 | 258 776 | 270 858 | 256 313 | 248 793 | 239 217 | 244 905 | 235 531 |
| Korea Rep | | 203 312 | 242 847 | 255 006 | 288 078 | 285 860 | 243 108 | 219 124 | 215 418 | 235 326 | 258 212 |
| Morocco | | 110 | 120 | 125 | 140 | 140 F | 140 F | 150 F | 120 F | 120 F | 130 F |
| Namibia | | . . . | . | | . . | | . . | 20 F | 20 F | 20 F | 25 F |
| New Zealand | | 1 053 | 795 | 730 | 803 | 2 003 | 1 470 | 2 100 | 2 200 | 2 000 | 2 001 |
| NewCaledonia | | . | . | . | . . | . . | 92 | 91 | 110 | 114 | 86 |
| Norway | | . . . | . . | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Asia | | 29 012 | 25 465 | 19 174 | 21 198 | 28 431 | 28 466 | 28 153 | 24 990 | 26 746 | 27 684 |
| South Africa | | . . | 151 | 151 | 200 F | 289 | 471 | 596 | 633 | 501 | 309 |
| Tunisia | | 4 | 12 | 20 | 25 | 73 | 70 F | 7 | 5 | 5 F | - |
| UK No Ireld | | 124 | 123 | 126 | 99 | 126 | 200 | 152 | 170 | 210 | 233 |
| UK Scotland | | . | . | 90 | 116 | 131 | 100 | 110 | 184 | 205 | 204 |
| USA | | 32 241 | 28 645 | 38 474 | 40 449 | 37 451 | 32 971 | 34 644 | 32 707 | 31 202 | 39 053 |
| *Species total* | *Q* | *674 114* | *739 954* | *763 925* | *808 759* | *833 473* | *762 419* | *754 697* | *729 555* | *793 638* | *865 207* |
| | *V* | *427 944* | *472 948* | *623 327* | *737 187* | *794 444* | *770 623* | *835 007* | *858 956* | *952 555* | *1 036 719* |

| **Mangrove cupped oyster** | **Huître creuse des Caraïbes** | | | **Ostión de mangle** | | | ***Crassostrea rhizophorae*** | | **3,16(07)008,02** | | **OYM** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cuba | | 1 000 F | 1 134 | 1 100 F | 1 300 | 1 134 | 1 100 F | 1 000 F | 1 000 F | 800 F | 450 F |
| Jamaica | | 4 F | 12 | 12 F | 12 F | 12 F | 10 F | 10 F | 10 F | 12 F | 15 F |
| Papua N Guin | | | . | | . | . | 1 | 1 F | 1 F | 1 F | 1 F |
| *Species total* | *Q* | *1 004* | *1 146* | *1 112* | *1 312* | *1 146* | *1 111* | *1 011* | *1 011* | *813* | *466* |
| | *V* | *754* | *862* | *836* | *986* | *863* | *1 111* | *1 011* | *1 111* | *893* | *556* |

| **American cupped oyster** | **Huître creuse américaine** | | | **Ostión virginico** | | | ***Crassostrea virginica*** | | **3,16(07)008,03** | | **OYA** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Canada | | 2 200 | 2 300 | 2 300 | 2 312 | 2 212 | 2 422 | 2 442 | 1 418 | 1 359 | 1 592 |
| Dominican Rp | | . | | | | | | . . | 1 | 1 F | 1 F |
| Mexico | | 41 010 | 38 462 | 38 452 | 46 325 | 52 026 | 52 131 | 47 739 | 34 604 | 29 237 | 23 275 |
| USA | | 102 889 | 95 740 | 89 268 | 80 893 | 78 861 | 76 807 | 31 835 | 69 013 | 83 544 | 74 611 |
| *Species total* | *Q* | *146 099* | *136 502* | *130 020* | *129 530* | *133 099* | *131 360* | *82 016* | *105 036* | *114 141* | *99 479* |
| | *V* | *40 768* | *43 843* | *39 631* | *48 864* | *53 744* | *61 872* | *51 936* | *61 913* | *82 458* | *70 708* |

| **Portuguese cupped oyster** | **Huître portugaise** | | | **Ostión** | | | ***Crassostrea angulata*** | | **3,16(07)008,04** | | **OYP** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| France | | 4 166 | 4 659 | 5 919 | 5 243 | 5 211 | 9 589 | 10 664 | 13 149 | 13 134 | 15 000 |
| Portugal | | | . . | | . . | 100 | 100 | 70 | 155 | 380 | 585 |
| *Species total* | *Q* | *4 166* | *4 659* | *5 919* | *5 243* | *5 311* | *9 689* | *10 734* | *13 304* | *13 514* | *15 585* |
| | *V* | *4 289* | *4 690* | *7 681* | *7 851* | *8 116* | *14 457* | *18 669* | *23 727* | *24 029* | *28 278* |

# B-53 Oysters / Huîtres / Ostras

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Hooded oyster** | **Huître-capuchon** | | | **Ostión capuchón** | | ***Saccostrea cuccullata*** | | | **3,16(07)008,06** | | **CSC** |
| Mauritius | | 1 | 8 | 8 | 8 | 8 | 10 | 9 | E | 10 | 8 |
| *Species total* | *Q* | *1* | *8* | *8* | *8* | *8* | *10* | *9* | *8* | *10* | *8* |
| | *V* | *2* | *12* | *14* | *15* | *17* | *20* | *18* | *21* | *32* | *32* |
| **Sydney cupped oyster** | **Huître creuse d'Australie** | | | **Ostra australiana** | | ***Crassostrea commercialis*** | | | **3,16(07)008,10** | | **OYS** |
| Australia | | 6 819 | 8 309 | 7 400 | 7 390 | 7 919 | 6 696 | 5 444 | 5 180 | 5 553 | 7 141 |
| *Species total* | *Q* | *6 819* | *8 309* | *7 400* | *7 390* | *7 919* | *6 696* | *5 444* | *5 180* | *5 553* | *7 141* |
| | *V* | *17 669* | *19 318* | *23 828* | *22 081* | *30 308* | *26 500* | *23 055* | *22 986* | *25 622* | *29 619* |
| **Philippine cupped oyster** | **...B** | | | **...C** | | ***Crassostrea iredalei*** | | | **3,16(07)008,11** | | **CSI** |
| Philippines | | 14 617 | 15 261 | 16 465 | 10 361 | 12 445 | 12 819 | 13 485 | 12 154 | 15 103 | 18 290 |
| *Species total* | *Q* | *14 617* | *15 261* | *16 465* | *10 361* | *12 445* | *12 819* | *13 485* | *12 154* | *15 103* | *18 290* |
| | *V* | *5 636* | *5 143* | *4 203* | *2 566* | *3 540* | *4 102* | *5 223* | *3 960* | *6 656* | *6 801* |
| **Cupped oysters nei** | **Huîtres creuses nca** | | | **Ostiones nep** | | ***Crassostrea spp*** | | | **3,16(07)008** | | **OYC** |
| Australia | | | | | | 10 F | 25 F | 37 | 57 | 33 | 30 |
| Channel Is | | | | 15 | 25 | 13 F | 13 F | 62 | 62 F | 45 | 46 F |
| Netherlands | | | | | 500 | 700 | 800 | 900 | 1 094 | 1 230 | 2 667 |
| Senegal | | 36 | 30 | 26 | 25 | 30 | 30 F | 30 F | 25 F | 25 F | 20 F |
| Thailand | | 4 851 | 3 516 | 580 | 1 483 | 1 858 | 1 399 | 1 400 | 3 311 | 3 774 | 4 000 |
| UK Engld Wal | | | | | | 220 | 220 | 220 | 228 | 286 | 290 |
| *Species total* | *Q* | *4 887* | *3 546* | *621* | *2 033* | *2 831* | *2 487* | *2 649* | *4 777* | *5 393* | *7 053* |
| | *V* | *2 505* | *1 350* | *493* | *1 813* | *2 164* | *2 599* | *3 041* | *4 785* | *5 745* | *6 707* |
| ***Group total*** | ***Q*** | ***862 748*** | ***919 755*** | ***936 627*** | ***975 687*** | ***1 005 318*** | ***933 775*** | ***875 928*** | ***875 810*** | ***953 915*** | ***1 019 451*** |
| | ***V*** | ***540 636*** | ***586 486*** | ***744 626*** | ***869 232*** | ***936 866*** | ***906 898*** | ***958 732*** | ***997 903*** | ***1 124 711*** | ***1 204 582*** |

# B-54 Mussels
# Moules
# Mejillones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Korean mussel** | **Moule coréenne** | | | **Mejillón coreano** | | ***Mytilus crassitesta*** | | | **3,16(10)001,01** | | **MUK** |
| Korea Rep | | 26 041 | 48 239 | 34 557 | 26 064 | 15 693 | 7 925 | 9 759 | 9 495 | 9 689 | 55 183 |
| *Species total* | *Q* | *26 041* | *48 239* | *34 557* | *26 064* | *15 693* | *7 925* | *9 759* | *9 495* | *9 689* | *55 183* |
| | *V* | *3 038* | *5 270* | *4 785* | *4 726* | *5 306* | *5 228* | *6 123* | *5 595* | *5 585* | *34 379* |
| **Chilean mussel** | **Moule chilienne** | | | **Chorito** | | ***Mytilus chilensis*** | | | **3,16(10)001,03** | | **MYC** |
| Chile | | 975 | 983 | 1 606 | 1 410 | 2 227 | 2 299 | 2 103 | 2 822 | 3 352 | 2 900 |
| *Species total* | *Q* | *975* | *983* | *1 606* | *1 410* | *2 227* | *2 299* | *2 103* | *2 822* | *3 352* | *2 900* |
| | *V* | *488* | *492* | *803* | *790* | *1 272* | *2 184* | *1 998* | *2 681* | *3 184* | *2 900* |
| **Blue mussel** | **Moule commune** | | | **Mejillón** | | ***Mytilus edulis*** | | | **3,16(10)001,05** | | **MUS** |
| Argentina | | | 20 | 20 | 3 F | 3 | 0 | 0 | 0 | 0 | 0 |
| Canada | | 876 | 909 | 2 068 | 1 754 | 2 045 | 3 380 | 3 500 | 4 046 | 4 964 | 5 175 |
| France | | 49 289 | 49 073 | 52 959 | 52 312 | 45 762 | 34 296 | 46 642 | 45 783 | 47 423 | 55 000 |
| Germany | | 53 000 | 20 818 | 29 939 | 25 926 | 29 725 | 18 556 | 20 237 | 29 977 | 50 795 | 24 666 |
| Ireland | | 13 717 | 10 358 | 10 884 | 14 892 | 12 648 | 13 560 | 15 278 | 19 316 | 13 403 | 17 752 |
| Namibia | | . | .. | .. | .. | ... | ... | ... | . | 2 F | 5 F |
| Netherlands | | 60 149 | 116 252 | 85 896 | 98 367 | 77 596 | 107 000 | 98 845 | 49 254 | 51 223 | 65 981 |
| Norway | | . | .. | 170 | 127 | 87 | 43 | 77 | . | . | ... |
| Portugal | | ... | .. | . | ... | ... | ... | 1 | 11 | 61 | 59 |
| Spain | | 230 000 | 245 655 | 246 995 | 245 455 | 243 010 | 193 010 | 173 300 | 195 220 | 138 910 | 90 481 |
| Sweden | | 1 278 | 415 | 325 | 2 556 | 858 | 241 | 1 163 | 1 643 | 1 353 | 737 |
| UK Engld Wal | | 1 000 F | 1 200 F | 1 200 F | 1 200 F | 1 500 F | 1 800 F | 1 200 F | 1 867 | 2 944 | 3 238 |
| UK No Ireld | | 3 | 4 | 11 | 14 | 24 | 38 | 387 | 1 935 | 38 | 50 F |
| UK Scotland | | . | . | 350 | 671 | 600 | 440 | 457 | 1 024 | 898 | 923 |
| USA | | 1 946 | 1 969 | 2 560 | 2 663 | 1 988 | 1 397 | 1 378 | 378 | 639 | 698 |
| *Species total* | *Q* | *411 258* | *446 673* | *433 377* | *445 940* | *415 846* | *373 761* | *362 465* | *350 454* | *312 653* | *264 765* |
| | *V* | *263 884* | *287 629* | *297 402* | *302 739* | *280 012* | *350 039* | *299 993* | *291 182* | *228 846* | *243 170* |
| **Green mussel** | **Moule verte** | | | **Mejillón verde** | | ***Mytilus smaragdinus*** | | | **3,16(10)001,10** | | **MUG** |
| Fiji | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Philippines | | 20 306 | 22 680 | 12 144 | 11 644 | 15 502 | 16 403 | 17 515 | 17 345 | 20 459 | 25 070 |
| Singapore | | 526 | 618 | 617 | 1 020 | 1 192 | 1 229 | 1 015 | 694 | 1 182 | 1 290 |
| Thailand | | 26 217 | 25 906 | 11 095 | 46 783 | 44 237 | 58 669 | 58 400 | 35 500 | 14 032 | 20 000 |
| *Species total* | *Q* | *47 049* | *49 204* | *23 856* | *59 447* | *60 931* | *76 301* | *76 930* | *53 539* | *35 673* | *46 360* |
| | *V* | *11 240* | *12 463* | *6 132* | *8 778* | *9 993* | *13 148* | *14 022* | *11 437* | *13 088* | *11 758* |
| **Brown mussel** | **...B** | | | **...C** | | ***Mytilus viridis*** | | | **3,16(10)001,11** | | **MSV** |
| Malaysia | | 629 | 604 | 709 | 1 000 F | 1 367 | 1 550 | 1 582 | 1 563 | 1 493 | 1 182 |
| *Species total* | *Q* | *629* | *604* | *709* | *1 000* | *1 367* | *1 550* | *1 582* | *1 563* | *1 493* | *1 182* |
| | *V* | *252* | *272* | *319* | *500* | *684* | *775* | *791* | *426* | *246* | *184* |

## B-54 Mussels / Moules / Mejillones

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mediterranean mussel** | **Moule méditerranéenne** | | | **Mejillón mediterráneo** | | ***Mytilus galloprovincialis*** | | | **3,16(10)001,12** | | **MSM** |
| Albania | | 906 | 902 | 1 752 | 1 808 | 3 107 | 1 840 | 4 443 | 662 | 281 | 320 F |
| Algeria | | 4 | 4 | 5 | 5 | 3 | 3 | 14 | 32 | 17 | 17 F |
| Bulgaria | | 37 | 40 | 57 | 150 | 100 | - | - | - | - | - |
| Croatia | | . | . | . . . | . . . | . . . | . . . | . . . | . . . | 218 | 221 |
| France | | 3 523 | 5 795 | 5 043 | 3 391 | 3 873 | 15 704 | 15 118 | 16 100 | 11 775 | 15 000 |
| Greece | | 200 F | 200 | 230 | 380 | 1 100 | 1 500 | 3 800 | 5 898 | 8 391 | 16 700 |
| Italy | | 60 000 | 65 000 | 67 000 | 68 131 | 85 400 | 80 000 | 80 000 | 75 000 | 84 300 | 80 000 |
| South Africa | | 0 | 43 | 43 | 252 | 265 | 658 | 1 131 | 1 758 | 1 086 | 1 100 F |
| Tunisia | | 95 | 110 | 102 | 110 | 313 | 300 F | 165 | 128 | 50 | 130 |
| Ukraine | | | | . . | . . . | . . . | . . . | | . . . | 208 | 187 |
| USSR | | 70 F | 70 F | 79 | 106 | 170 | 206 | 35 | 1 390 | - | - |
| Yugoslav SFR | | 1 290 | 731 | 1 085 | 1 076 | 1 370 | 1 093 | 650 | 371 F | - | - |
| YugoslaviaFR | | | | | | | | | . . . | 1 | 1 |
| *Species total* | *Q* | *66 125* | *72 895* | *75 396* | *75 409* | *95 701* | *101 304* | *105 356* | *101 339* | *106 327* | *113 676* |
| | *V* | *52 269* | *49 715* | *61 421* | *64 232* | *74 731* | *66 234* | *89 745* | *87 702* | *86 621* | *78 279* |
| **New Zealand mussel** | **Moule de la Nouvelle Zélande** | | | **Mejillón de Nueva Zelandia** | | ***Mytilus canaliculus*** | | | **3,16(10)001,16** | | **MUZ** |
| New Zealand | | 9 800 | 10 860 | 15 636 | 17 683 | 24 598 | 24 015 | 24 000 | 43 600 | 46 500 | 47 000 |
| *Species total* | *Q* | *9 800* | *10 860* | *15 636* | *17 683* | *24 598* | *24 015* | *24 000* | *43 600* | *46 500* | *47 000* |
| | *V* | *4 252* | *4 059* | *7 373* | *8 311* | *36 897* | *36 023* | *36 000* | *41 420* | *46 500* | *47 000* |
| **Australian mussel** | **Moule d'Australie** | | | **Mejillón de Australia** | | ***Mytilus planulatus*** | | | **3,16(10)001,17** | | **MYA** |
| Australia | | 30 | 154 | 298 | 307 | 711 | 686 | 729 | 505 | 757 | 565 |
| *Species total* | *Q* | *30* | *154* | *298* | *307* | *711* | *686* | *729* | *505* | *757* | *565* |
| | *V* | *57* | *191* | *313* | *306* | *1 037* | *1 232* | *1 235* | *912* | *1 164* | *1 152* |
| **Choro mussel** | **Moule choro** | | | **Choro** | | ***Choromytilus chorus*** | | | **3,16(10)026,01** | | **CHC** |
| Chile | | 136 | 133 | 176 | 91 | 245 | 230 | 195 | 247 | 421 | 165 |
| *Species total* | *Q* | *136* | *133* | *176* | *91* | *245* | *230* | *195* | *247* | *421* | *165* |
| | *V* | *41* | *40* | *53* | *31* | *75* | *115* | *98* | *136* | *232* | *99* |
| **Horse mussels** | **Modioles** | | | **Modiolos** | | ***Modiolus spp*** | | | **3,16(10)028** | | **MOD** |
| Thailand | | 1 608 | 361 | 272 | 818 | 652 | 46 | 1 000 | 1 092 | 4 003 | 4 285 |
| *Species total* | *Q* | *1 608* | *361* | *272* | *818* | *652* | *46* | *1 000* | *1 092* | *4 003* | *4 285* |
| | *V* | *3 442* | *14* | *13* | *64* | *31* | *3* | *59* | *77* | *296* | *318* |

## B-54 Mussels
## Moules
## Mejillones

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **South American rock mussel** | **Moule de roche sudaméricaine** | | | **Mejillón de roca sudamericano** | | ***Perna perna*** | | | **3,16(10)032,01** | | **MSL** |
| Venezuela | | 160 | 358 | 50 | 50 F | 50 F | 55 F | 60 F | 68 | 50 F | 70 F |
| *Species total* | *Q* | *160* | *358* | *50* | *50* | *50* | *55* | *60* | *68* | *50* | *70* |
| | *V* | *166* | *358* | *50* | *50* | *50* | *55* | *60* | *68* | *50* | *70* |
| **Cholga mussel** | **Moule cholga** | | | **Cholga** | | ***Aulacomya ater*** | | | **3,16(10)038,01** | | **MSC** |
| Chile | | . | | | . . . | 3 | 2 | 29 | 78 | 66 | 97 |
| *Species total* | *Q* | . | | | . | *3* | *2* | *29* | *78* | *66* | *97* |
| | *V* | . | . | | . | *2* | *1* | *15* | *47* | *40* | *58* |
| **Sea mussels nei** | **Moules nca** | | | **Mejillones nep** | | ***Mytilidae*** | | | **3,16(10)** | | **MSX** |
| China | | 136 582 | 128 860 | 210 657 | 312 680 | 429 675 | 470 514 | 495 895 | 498 183 | 538 895 | 509 576 |
| Fr Polynesia | | 5 | 17 | 13 | 6 | 5 | 9 | 7 | 2 | 0 | 0 |
| Russian Fed | | | | | | | | | | 350 | 650 |
| *Species total* | *Q* | *136 587* | *128 877* | *210 670* | *312 686* | *429 680* | *470 523* | *495 902* | *498 185* | *539 245* | *510 226* |
| | *V* | *9 563* | *9 025* | *14 750* | *21 890* | *30 078* | *32 941* | *34 717* | *34 874* | *38 073* | *36 320* |
| ***Group total*** | ***Q*** | ***700 398*** | ***759 341*** | ***796 603*** | ***940 905*** | ***1 047 704*** | ***1 058 697*** | ***1 080 110*** | ***1 062 987*** | ***1 060 229*** | ***1 046 474*** |
| | ***V*** | ***348 692*** | ***369 528*** | ***393 414*** | ***412 417*** | ***440 168*** | ***507 978*** | ***484 856*** | ***476 557*** | ***423 925*** | ***455 687*** |

## B-55 Scallops, pectens
## Coquilles St. Jacques
## Vieiras

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Yesso scallop** | **Pétoncle du Japon** | | | **Vieira japonesa** | | ***Pecten yessoensis*** | | | **3,16(08)003,07** | | **JSC** |
| China | | 3 813 | 8 312 | 23 686 | 43 640 | 121 991 | 129 461 | 147 003 | 188 698 | 338 022 | 728 352 |
| Japan | | 73 948 | 108 509 | 139 866 | 152 407 | 181 929 | 180 255 | 192 042 | 188 834 | 208 050 | 241 426 |
| Russian Fed | | ... | ... | ... | ... | ... | ... | ... | ... | 150 | 155 |
| USSR | | 40 F | 40 F | 49 | 62 | 64 | 104 | 124 | 153 | - | - |
| *Species total* | *Q* | *77 801* | *116 861* | *163 601* | *196 109* | *303 984* | *309 820* | *339 169* | *377 685* | *546 222* | *969 933* |
| | *V* | *96 183* | *139 955* | *239 376* | *328 307* | *521 963* | *530 643* | *535 697* | *605 784* | *864 063* | *1 479 585* |
| **Common scallop** | **Coquille St-Jacques atlantique** | | | **Vieira** | | ***Pecten maximus*** | | | **3,16(08)003,09** | | **SCE** |
| Spain | | ... | 150 | 150 | 128 | 119 | 119 | 120 | 120 | 333 | 517 |
| UK Scotland | | ... | ... | 25 | 21 | 9 | 11 F | 13 | 38 | 59 | 59 |
| *Species total* | *Q* | ... | *150* | *175* | *149* | *128* | *130* | *133* | *158* | *392* | *576* |
| | *V* | ... | *600* | *700* | *596* | *517* | *769* | *908* | *1 097* | *2 875* | *3 506* |
| **New Zealand scallop** | **Pecten de la Nouvelle Zélande** | | | **Vieira de Nueva Zelandia** | | ***Pecten novaezelandiae*** | | | **3,16(08)003,13** | | **SCZ** |
| New Zealand | | ... | ... | ... | ... | 65 | 50 F | 50 F | 100 F | 120 F | 100 F |
| *Species total* | *Q* | ... | ... | ... | ... | *65* | *50* | *50* | *100* | *120* | *100* |
| | *V* | ... | ... | ... | ... | *215* | *166* | *166* | *350* | *420* | *350* |
| **Australian southern scallop** | **Pecten de l'Australie du sud** | | | **Vieira australiana del sur** | | ***Pecten fumatus*** | | | **3,16(08)003,16** | | **SSC** |
| Australia | | ... | ... | ... | ... | ... | ... | ... | 11 | 19 | 110 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | ... | ... | *11* | *19* | *110* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | *86* | *88* | *286* |
| **American sea scallop** | **Pecten d'Amérique** | | | **Vieira americana** | | ***Placopecten magellanicus*** | | | **3,16(08)014,04** | | **SCA** |
| Canada | | ... | ... | ... | ... | ... | 20 | 10 | 12 | 8 | 14 |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *20* | *10* | *12* | *8* | *14* |
| | *V* | ... | ... | ... | ... | ... | *60* | *20* | *30* | *23* | *45* |
| **Peruvian calico scallop** | **Peigne éventail** | | | **Concha de abanico** | | ***Argopecten purpuratus*** | | | **3,16(08)030,03** | | **SCQ** |
| Chile | | 57 | 39 | 178 | 258 | 966 | 661 | 1 182 | 1 158 | 2 112 | 4 683 |
| Peru | | 730 | 5 421 | 316 | 110 F | 140 F | 100 F | 130 F | 130 F | 100 F | 100 F |
| *Species total* | *Q* | *787* | *5 460* | *494* | *368* | *1 106* | *761* | *1 312* | *1 288* | *2 212* | *4 783* |
| | *V* | *4 049* | *27 378* | *2 826* | *2 614* | *8 428* | *5 788* | *10 106* | *9 914* | *13 122* | *26 207* |

## B-55 Scallops, pectens
## Coquilles St. Jacques
## Vieiras

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Queen scallop** | **Vanneau** | | | **Volandeira** | | ***Chlamys opercularis*** | | | **3,16(08)036,05** | | **QSC** |
| UK Scotland | | ... | ... | 4 | 128 | 172 | 100 F | 54 | 61 | 62 | 62 |
| *Species total* | *Q* | ... | ... | *4* | *128* | *172* | *100* | *54* | *61* | *62* | *62* |
| | *V* | ... | ... | *16* | *512* | *602* | *350* | *189* | *183* | *164* | *140* |
| **Scallops nei** | **Peignes nca** | | | **Peines nep** | | ***Pectinidae*** | | | **3,16(08)** | | **SCX** |
| Ecuador | | ... | ... | ... | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | ... | ... | *3* | *3* | *0* | *0* | *0* | *0* | *0* |
| | *V* | ... | ... | ... | *7* | *4* | *0* | *0* | *0* | *0* | *0* |
| ***Group total*** | ***Q*** | ***78 588*** | ***122 471*** | ***164 274*** | ***196 757*** | ***305 458*** | ***310 881*** | ***340 728*** | ***379 315*** | ***549 035*** | ***975 578*** |
| | ***V*** | ***100 232*** | ***167 933*** | ***242 918*** | ***332 036*** | ***531 729*** | ***537 776*** | ***547 086*** | ***617 444*** | ***880 755*** | ***1 510 119*** |

## B-56 Clams, cockles, arkshells
## Clams, coques, arches
## Almejas, berberechos, arcas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ark clams** | **Arches** | | | **Arcas** | | ***Arca spp*** | | | **3,16(04)005** | | **ARK** |
| Korea Rep | | 23 019 | 49 221 | 58 393 | 58 092 | 49 013 | 16 947 | 17 756 | 16 702 | 20 547 | 11 613 |
| *Species total* | *Q* | *23 019* | *49 221* | *58 393* | *58 092* | *49 013* | *16 947* | *17 756* | *16 702* | *20 547* | *11 613* |
| | *V* | *15 340* | *25 359* | *37 313* | *81 444* | *98 635* | *37 094* | *73 637* | *63 287* | *96 465* | *71 076* |
| **Blood cockle** | **Arche granuleuse** | | | **Arca del Pacífico occidental** | | ***Anadara granosa*** | | | **3,16(04)071,01** | | **BLC** |
| China | | 14 907 | 16 686 | 24 173 | 33 386 | 33 986 | 38 795 | 41 320 | 42 031 | 41 588 | 55 570 |
| Korea Rep | | 10 312 | 12 038 | 11 520 | 14 584 | 14 502 | 10 299 | 11 113 | 16 325 | 16 441 | 3 290 |
| Malaysia | | 63 581 | 44 761 | 45 664 | 40 794 | 34 867 | 39 346 | 35 931 | 46 625 | 55 587 | 77 755 |
| Other Asia | | 10 | 10 | 6 | 5 | 1 | 0 | 1 | - | - | - |
| Thailand | | 12 512 | 12 375 | 6 928 | 9 609 | 11 774 | 12 822 | 12 300 | 26 442 | 18 804 | 20 131 |
| *Species total* | *Q* | *101 322* | *85 870* | *88 291* | *98 378* | *95 130* | *101 262* | *100 665* | *131 423* | *132 420* | *156 746* |
| | *V* | *48 425* | *44 156* | *52 941* | *68 469* | *71 066* | *75 661* | *84 093* | *95 525* | *93 314* | *99 402* |
| **Common cockle** | **Coque commune** | | | **Berberecho común** | | ***Cardium edule*** | | | **3,17(09)001,03** | | **COC** |
| France | | | | | | | 1 300 F | 1 494 F | 1 635 | 1 636 | 1 700 F |
| UK No Ireld | | | | | | | 2 | 3 | 3 | 3 | 4 |
| *Species total* | *Q* | | | | | | *1 302* | *1 497* | *1 638* | *1 639* | *1 704* |
| | *V* | | | | | | *1 953* | *2 246* | *2 539* | *2 623* | *2 812* |
| **Cockles nei** | **Coques nca** | | | **Berberechos(=Cárdidos)nep** | | ***Cardiidae*** | | | **3,17(09)** | | **COZ** |
| USA | | ... | ... | ... | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| *Species total* | *Q* | ... | ... | ... | *1* | *1* | *2* | *1* | *0* | *0* | *0* |
| | *V* | ... | ... | ... | *0* | *0* | *1* | *0* | *0* | *0* | *0* |
| **Globose clam** | **...B** | | | **...C** | | ***Mactra veneriformis*** | | | **3,17(10)008,04** | | **MTV** |
| Korea Rep | | 544 | 1 666 | 1 757 | 4 300 | 3 242 | 8 488 | 5 607 | 3 546 | 1 406 | 1 061 |
| *Species total* | *Q* | *544* | *1 666* | *1 757* | *4 300* | *3 242* | *8 488* | *5 607* | *3 546* | *1 406* | *1 061* |
| | *V* | *106* | *232* | *257* | *722* | *848* | *2 591* | *1 775* | *1 214* | *555* | *522* |
| **Smooth mactra** | **Mactre lisse** | | | **Mactra lisa** | | ***Mactra glabrata*** | | | **3,17(10)008,06** | | **MAG** |
| South Afrnca | | ... | ... | 2 | 0 | 25 | 10 | 5 | 5 | 5 | 5 F |
| *Species total* | *Q* | ... | ... | *2* | *0* | *25* | *10* | *5* | *5* | *5* | *5* |
| | *V* | ... | ... | *1* | *0* | *6* | *3* | *1* | *1* | *2* | *2* |

## B-56 Clams, cockles, arkshells
## Clams, coques, arches
## Almejas, berberechos, arcas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Japanese hard clam** | **Cythérée du Japon** | | | **Mercenaria japonesa** | | ***Meretrix lusoria*** | | | **3,17(11)017,01** | | **HCJ** |
| Korea Rep | | 91 | 161 | 350 | 264 | 418 | 102 | 133 | 246 | 192 | 145 |
| *Species total* | *Q* | *91* | *161* | *350* | *264* | *418* | *102* | *133* | *246* | *192* | *145* |
| | *V* | *119* | *209* | *610* | *715* | *1 321* | *426* | *422* | *222* | *336* | *820* |
| **Grooved carpet shell** | **Palourde croisée d'Europe** | | | **Almeja fina** | | ***Ruditapes decussatus*** | | | **3,17(11)020,01** | | **CTG** |
| Algeria | | ... | ... | . | . . | . . | . | 4 | 20 | 3 | 3 F |
| Channel Is | | ... | ... | . | ... | .. | .. | 5 | 5 F | 5 F | 5 F |
| France | | ... | 400 | 400 | 450 | 450 | 284 | 400 | 432 | 224 | 250 F |
| Ireland | | ... | ... | ... | ... | ... | ... | ... | | 79 | 110 |
| Portugal | | 4 000 | 4 000 | 7 000 | 7 000 | 7 000 | 7 000 | 2 008 | 2 800 | 3 050 | 2 700 |
| Spain | | 295 | 706 | 693 | 425 | 3 541 | 3 860 | 4 157 | 3 922 | 3 645 | 3 569 |
| UK Engld Wal | | ... | ... | . . | ... | 24 | 20 F | 10 F | 10 F | 1 | 1 |
| UK Scotland | | .. | .. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *4 295* | *5 106* | *8 093* | *7 876* | *11 015* | *11 164* | *6 584* | *7 189* | *7 007* | *6 638* |
| | *V* | *29 422* | *30 501* | *53 728* | *55 416* | *74 825* | *95 876* | *53 118* | *67 174* | *66 489* | *60 290* |
| **Japanese carpet shell** | **Clam japonais** | | | **Almeja japonesa** | | ***Ruditapes philippinarum*** | | | **3,17(11)020,02** | | **CLJ** |
| Canada | | ... | ... | 7 | 25 | 30 | 40 | 30 | 136 | 308 | 400 |
| China | | 21 514 | 31 482 | 41 603 | 53 389 | 63 042 | 87 098 | 109 702 | 154 024 | 270 476 | 428 760 |
| France | | 150 | 200 | 400 | 560 | 450 | 284 | 400 | 400 | 400 | 400 |
| Korea Rep | | 17 167 | 14 350 | 75 992 | 54 132 | 51 245 | 64 973 | 61 713 | 45 537 | 54 402 | 10 046 |
| Other Asia | | 3 844 | 3 689 | 3 362 | 2 996 | 2 645 | 1 095 | 1 546 | 1 337 | 785 | 1 395 |
| UK Engld Wal | | ... | .. | ... | . | . | ... | 45 F | 50 F | 48 | 51 |
| UK No Ireld | | ... | .. | ... | ... | ... | 0 | 1 | 0 | 0 | 0 |
| USA | | 1 084 | 1 294 | 1 680 | 1 436 | 1 484 | 1 490 | 1 342 | 1 651 | 1 920 | 2 887 |
| *Species total* | *Q* | *43 759* | *51 015* | *123 044* | *112 538* | *118 896* | *154 980* | *174 779* | *203 135* | *328 339* | *443 939* |
| | *V* | *51 989* | *65 226* | *111 434* | *132 375* | *170 751* | *217 900* | *245 852* | *292 268* | *470 237* | *609 931* |
| **Carpet shells nei** | **Clovisses nca** | | | **Almejas nep** | | ***Tapes spp*** | | | **3,17(11)023** | | **TPS** |
| Italy | | ... | 1 | 30 | 285 | 1 934 | 7 116 | 16 100 | 20 000 | 26 400 | 26 400 |
| South Africa | | | . | . | | 5 | 10 | 5 | 0 | 0 | 0 |
| Tunisia | | | .. | | | | | 10 | 7 | 10 F | 20 |
| *Species total* | *Q* | ... | *1* | *30* | *285* | *1 939* | *7 126* | *16 115* | *20 007* | *26 410* | *26 420* |
| | *V* | ... | *3* | *101* | *1 100* | *8 205* | *28 567* | *48 370* | *51 811* | *64 598* | *50 550* |
| **Butter clam** | **Coque jaune** | | | **...C** | | ***Saxidomus giganteus*** | | | **3,17(11)037,02** | | **BCL** |
| USA | | 85 | 8 | 32 | 6 | 4 | 5 | 6 | 4 | 5 | 8 |
| *Species total* | *Q* | *85* | *8* | *32* | *6* | *4* | *5* | *6* | *4* | *5* | *8* |
| | *V* | *93* | *9* | *12* | *6* | *4* | *2* | *4* | *4* | *3* | *7* |

## B-56 Clams, cockles, arkshells
## Clams, coques, arches
## Almejas, berberechos, arcas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pacific littleneck clam** | **Amande de mer** | | | **...C** | | ***Protothaca staminea*** | | | **3,17(11)055,02** | | **PTS** |
| USA | | 275 | 243 | 270 | 452 | 365 | 191 | 170 | 161 | 145 | 115 |
| *Species total* | *Q* | *275* | *243* | *270* | *452* | *365* | *191* | *170* | *161* | *145* | *115* |
| | *V* | *300* | *588* | *483* | *538* | *569* | *390* | *398* | *353* | *332* | *217* |
| **Northern quahog(=Hard clam)** | **Praire** | | | **Chirla mercenaria** | | ***Mercenaria mercenaria*** | | | **3,17(11)075,01** | | **CLH** |
| Other Asia | | 17 115 | 16 583 | 13 990 | 10 966 | 19 531 | 17 141 | 18 487 | 17 254 | 22 853 | 17 438 |
| USA | | 1 942 | 1 900 F | 5 134 | 4 500 | 3 582 | 4 161 | 6 691 | 5 713 | 6 371 | 8 856 |
| *Species total* | *Q* | *19 057* | *18 483* | *19 124* | *15 466* | *23 113* | *21 302* | *25 178* | *22 967* | *29 224* | *26 294* |
| | *V* | *35 776* | *32 946* | *30 835* | *18 607* | *44 200* | *52 831* | *49 921* | *36 697* | *47 015* | *40 803* |
| **Venus clams** | **Petites praires** | | | **Almejas(=Venéridos)** | | ***Veneridae*** | | | **3,17(11)** | | **CLV** |
| Spain | | | | | 2 | 2 | 2 | 2 | 3 | 3 F | 2 F |
| *Species total* | *Q* | | | | *2* | *2* | *2* | *2* | *3* | *3* | *2* |
| | *V* | | | | *12* | *12* | *14* | *16* | *29* | *29* | *19* |
| **Razor clams** | **Couteaux** | | | **Navajas(=Solénidos)** | | ***Solen spp*** | | | **3,17(16)003** | | **RAZ** |
| China | | 110 006 | 125 717 | 126 175 | 133 597 | 140 673 | 138 467 | 140 326 | 165 230 | 198 598 | 222 819 |
| *Species total* | *Q* | *110 006* | *125 717* | *126 175* | *133 597* | *140 673* | *138 467* | *140 326* | *165 230* | *198 598* | *222 819* |
| | *V* | *110 006* | *125 717* | *126 175* | *133 597* | *140 673* | *138 467* | *140 326* | *165 230* | *198 598* | *211 678* |
| **Soft shell(=Soft clam)** | **Mye des sable** | | | **Almeja de can** | | ***Mya arenaria*** | | | **3,17(17)006,01** | | **CLS** |
| USA | | 45 | 184 | 192 | 87 | 64 | 1 | 1 | 33 | 34 | 38 |
| *Species total* | *Q* | *45* | *184* | *192* | *87* | *64* | *1* | *1* | *33* | *34* | *38* |
| | *V* | *45* | *405* | *140* | *102* | *67* | *1* | *1* | *76* | *87* | *110* |
| **Pacific geoduck** | **Panopée du Pacific** | | | **...C** | | ***Panopea abrupta*** | | | **3,17(18)089,01** | | **GEC** |
| USA | | 0 | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *0* | | | *1* | *0* | *0* | *0* | *0* | *0* | *0* |
| | *V* | *0* | | | *3* | *0* | *0* | *0* | *0* | *0* | *0* |
| **Giant clam** | **...B** | | | **...C** | | ***Tridacna gigas*** | | | **3,17(26)050,01** | | **TDG** |
| Samoa | | | | | | | | | | 0 | 0 |
| *Species total* | *Q* | | | | | | | | | *0* | *0* |
| | *V* | | | | | | | | | *0* | *0* |

## B-56 Clams, cockles, arkshells
## Clams, coques, arches
## Almejas, berberechos, arcas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Smooth giant clam** | ...B | | | ...C | | *Tridacna derasa* | | | 3,17(26)050,02 | | TDD |
| Samoa | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Species total* | Q | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| **Fluted giant clam** | ...B | | | ...C | | *Tridacna squamosa* | | | 3,17(26)050,03 | | TDS |
| Samoa | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Species total* | Q | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| **Bear pow clam** | ...B | | | ...C | | *Hipposus hipposus* | | | 3,17(26)051,01 | | HIP |
| Samoa | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Species total* | Q | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| **Clams nei** | Clams nca | | | Almejas nep | | *Bivalvia* | | | 3,99 | | CLX |
| Japan | | 521 | 339 | 593 | 1 236 | 1 537 | 1 456 | 1 486 | 1 340 | 1 381 | 1 633 |
| Korea Rep | | 300 F | 320 | 488 | 443 | 1 876 | 1 310 | 232 | 252 | 135 | 634 |
| Micronesia | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Asia | | 106 | 250 | 396 | 575 | 541 | 563 | 107 | 130 | 236 | 759 |
| Portugal | | ... | ... | 1 000 | 1 300 | 900 | 325 | 390 | 600 | 700 | 800 |
| USA | | 79 | 34 | 36 | 10 | 3 | 2 | 3 | 3 | 4 | 1 |
| *Species total* | Q | *1 006* | *943* | *2 513* | *3 564* | *4 857* | *3 656* | *2 218* | *2 325* | *2 456* | *3 827* |
| | *V* | *1 294* | *1 108* | *2 563* | *5 082* | *9 348* | *8 949* | *5 639* | *5 015* | *5 438* | *7 529* |
| ***Group total*** | ***Q*** | ***303 504*** | ***338 618*** | ***428 266*** | ***434 909*** | ***448 757*** | ***465 007*** | ***491 043*** | ***574 614*** | ***748 430*** | ***901 374*** |
| | ***V*** | ***292 915*** | ***326 459*** | ***416 593*** | ***498 188*** | ***620 530*** | ***660 726*** | ***705 819*** | ***781 445*** | ***1 046 121*** | ***1 155 768*** |

## B-57 Squids, cuttlefishes, octopuses
## Encornets, seiches, poulpes
## Calamares, jibias, pulpos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Common cuttlefish** | **Seiche commune** | | | **Sepia común** | | | ***Sepia officinalis*** | | **3,21(02)002,02** | | **CTC** |
| Portugal | | | | | | | | 0 | 0 | 0 | 0 |
| Tunisia | | | | | | | | 17 | 10 F | 0 | 0 |
| *Species total* | *Q* | | | | | | | *17* | *10* | *0* | *0* |
| | *V* | | | | | | | *85* | *50* | *0* | *0* |
| **Octopuses** | **...B** | | | **...C** | | | ***Octopus spp*** | | **3,21(09)005** | | **OCZ** |
| Tunisia | | | | | | | | 10 | 10 F | 0 | 0 |
| *Species total* | *Q* | | | | | | | *10* | *10* | *0* | *0* |
| | *V* | | | | | | | *50* | *50* | *0* | *0* |
| ***Group total*** | ***Q*** | ... | ... | ... | ... | ... | ... | ***27*** | ***20*** | ***0*** | ***0*** |
| | ***V*** | ... | ... | ... | ... | ... | ... | ***135*** | ***100*** | ***0*** | ***0*** |

## B-58 Miscellaneous marine molluscs
## Mollusques marins divers
## Moluscos marinos diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Marine molluscs nei** | **Mollusques marins nca** | | | **Moluscos marinos nep** | | ***Mollusca*** | | | **3,99** | | **MOL** |
| Brazil | | 100 | 123 | 130 | 130 | 130 F | 130 F | 130 F | 150 | 150 F | 150 F |
| China | | 15 281 | 24 261 | 41 592 | 68 902 | 81 505 | 97 744 | 105 764 | 99 382 | 86 880 | 107 971 |
| India | | 1 500 F | 1 000 F | 1 000 F | 1 200 F | 1 000 F | 1 000 F | 1 000 F | 2 000 F | 1 500 F | 2 500 F |
| Ireland | | | | | . | . . . | . . . | 100 | 50 | 76 | . . |
| Korea D P Rp | | 20 000 F | 20 000 F | 30 000 F | 40 000 F | 45 000 F | 45 000 F | 50 000 | 50 000 | 55 000 F | 55 000 F |
| Korea Rep | | 911 | 187 | 912 | 895 | 316 | - | 153 | . . . | 464 | 5 512 |
| Malaysia | | | | | . . | | | 51 | 104 | 8 | 37 |
| Other Asia | | 119 | 115 | 114 | 88 | 158 | 38 | 52 | 31 | 38 | 44 |
| *Species total* | *Q* | *37 911* | *45 686* | *73 748* | *111 215* | *128 109* | *143 912* | *157 250* | *151 717* | *144 116* | *171 214* |
| | *V* | *16 960* | *20 847* | *33 890* | *51 650* | *64 490* | *72 019* | *78 828* | *81 602* | *75 693* | *91 674* |
| ***Group total*** | ***Q*** | ***37 911*** | ***45 686*** | ***73 748*** | ***111 215*** | ***128 109*** | ***143 912*** | ***157 250*** | ***151 717*** | ***144 116*** | ***171 214*** |
| | ***V*** | ***16 960*** | ***20 847*** | ***33 890*** | ***51 650*** | ***64 490*** | ***72 019*** | ***78 828*** | ***81 602*** | ***75 693*** | ***91 674*** |

## B-71 Frogs and other amphibians
## Grenouilles et autres amphibies
## Ranas y otros anfibios

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Frogs | Grenouilles | | | Ranas | | *Rana spp* | | | 5,12(01)001 | | FRG |
| Argentina | | - | - | - | - | - | - | - | - | - | 50 |
| Greece | | - | - | - | - | - | - | - | - | 0 | 0 |
| Other Asia | | ... | ... | ... | ... | ... | 327 | 134 | 188 | 784 | 2 052 |
| Thailand | | ... | 4 | 15 | 20 | 5 | 6 | 5 | 18 | 131 | 134 |
| *Species total* | *Q* | - | *4* | *15* | *20* | *5* | *333* | *139* | *206* | *915* | *2 236* |
| | *V* | - | *6* | 22 | *31* | *12* | *1 644* | *831* | *1 036* | *2 336* | *6 240* |
| ***Group total*** | ***Q*** | - | ***4*** | ***15*** | ***20*** | ***5*** | ***333*** | ***139*** | ***206*** | ***915*** | ***2 236*** |
| | ***V*** | - | ***6*** | ***22*** | ***31*** | ***12*** | ***1 644*** | ***831*** | ***1 036*** | ***2 336*** | ***6 240*** |

## B-72 Turtles
## Tortues
## Tortugas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Green turtle** | **Tortue verte** | | | **Tortuga verde** | | ***Chelonia mydas*** | | | **5,31(07)005,02** | | **TUG** |
| Reunion | | 30 | 29 | 30 | 30 | 30 | 38 | 30 | 30 | 20 | 10 |
| *Species total* | *Q* | *30* | *29* | *30* | *30* | *30* | *38* | *30* | *30* | *20* | *10* |
| | *V* | *189* | *179* | *239* | *275* | *278* | *330* | *260* | *270* | *180* | *95* |
| **River and lake turtles nei** | **Tortues d'eau douce nca** | | | **Galápagos nep** | | ***Testudinata*** | | | **5,31** | | **TUL** |
| Japan | | 367 | 413 | 495 | 565 | 694 | 743 | 799 | 764 | 763 | 733 |
| Other Asia | | 318 | 233 | 204 | 183 | 71 | 68 | 51 | 22 | 109 | 383 |
| Puerto Rico | | . | 31 | 30 F | 31 F | 30 F | 30 F | 20 F | 20 F | 10 F | |
| Thailand | | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Species total* | *Q* | *688* | *680* | *730* | *779* | *795* | *841* | *870* | *806* | *882* | *1 116* |
| | *V* | *5 632* | *5 725* | *8 418* | *10 411* | *13 970* | *14 893* | *15 468* | *15 088* | *15 586* | *16 152* |
| ***Group total*** | ***Q*** | ***718*** | ***709*** | ***760*** | ***809*** | ***825*** | ***879*** | ***900*** | ***836*** | ***902*** | ***1 126*** |
| | ***V*** | ***5 821*** | ***5 904*** | ***8 657*** | ***10 686*** | ***14 248*** | ***15 223*** | ***15 728*** | ***15 358*** | ***15 766*** | ***16 247*** |

## B-73 Crocodiles and alligators
## Crocodiles et alligators
## Cocodrilos y aligatores

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Crocodiles and alligators | Crocodiles et alligators | | | Cocodrilos y aligatores | | *Crocodylidae* | | | 5,36(01) | | CRO |
| Other Asia | | ... | ... | .. | ... | ... | 12 | 10 | 20 | 11 | 5 |
| South Africa | | 0 | 10 F | 1 F | 10 F | 38 F | 50 | 50 F | 50 F | 50 F | 60 F |
| *Species total* | *Q* | *0* | *10* | *1* | *10* | *38* | *62* | *60* | *70* | *61* | *65* |
| | *V* | *0* | *114* | *11* | *123* | *420* | *818* | *763* | *1 039* | *820* | *713* |
| ***Group total*** | ***Q*** | ***0*** | ***10*** | ***1*** | ***10*** | ***38*** | ***62*** | ***60*** | ***70*** | ***61*** | ***65*** |
| | ***V*** | ***0*** | ***114*** | ***11*** | ***123*** | ***420*** | ***818*** | ***763*** | ***1 039*** | ***820*** | ***713*** |

## B-74 Sea-squirts and other tunicates
## Ascidiens et autres tuniciers
## Ascidias y otros tunicados

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Red bait** | **...B** | | | **...C** | | | ***Pyura stolonifera*** | | **5,96(09)005,01** | | **SSR** |
| South Africa | | ... | ... | ... | ... | 5 | 10 | 20 | 35 | 30 | 30 F |
| *Species total* | *Q* | ... | ... | ... | ... | *5* | *10* | *20* | *35* | *30* | *30* |
| | *V* | ... | ... | ... | ... | *10* | *20* | *50* | *88* | *75* | *75* |
| **Sea squirts nei** | **Ascidiens nca** | | | **Ascidias nep** | | | ***Ascidiacea*** | | **5,96** | | **SSX** |
| Japan | | 8 903 | 7 660 | 8 552 | 7 372 | 9 641 | 10 406 | 7 272 | 6 676 | 7 834 | 8 225 |
| Korea Rep | | 157 | 9 069 | 15 205 | 10 048 | 14 014 | 24 344 | 20 768 | 6 994 | 4 821 | 13 923 |
| *Species total* | *Q* | *9 060* | *16 729* | *23 757* | *17 420* | *23 655* | *34 750* | *28 040* | *13 670* | *12 655* | *22 148* |
| | *V* | *2 673* | *6 762* | *9 684* | *11 507* | *14 745* | *24 342* | *12 058* | *9 672* | *9 741* | *29 934* |
| ***Group total*** | ***Q*** | ***9 060*** | ***16 729*** | ***23 757*** | ***17 420*** | ***23 660*** | ***34 760*** | ***28 060*** | ***13 705*** | ***12 685*** | ***22 178*** |
| | ***V*** | ***2 673*** | ***6 762*** | ***9 684*** | ***11 507*** | ***14 755*** | ***24 362*** | ***12 108*** | ***9 760*** | ***9 816*** | ***30 009*** |

## B-77 Miscellaneous aquatic invertebrates
## Invertébrés aquatiques divers
## Invertebrados acuáticos diversos

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aquatic invertebrates nei** | **Invertébrés aquatiques nca** | | | **Invertebrados acuáticos nep** | | ***Invertebrata*** | | | **6,97** | | **INV** |
| Korea Rep | | 11 500 | 10 506 | 5 591 | 9 089 | 8 864 | 12 451 | 11 534 | 9 974 | 6 905 | 8 420 |
| Netherlands | | . . . | .. | | | 2 | 2 F | 2 F | 0 | 0 | 0 |
| Other Asia | | 75 | 72 | 66 | 136 | 425 | 314 | 265 | 544 | 504 | 888 |
| *Species total* | *Q* | *11 575* | *10 578* | *5 657* | *9 225* | *9 291* | *12 767* | *11 801* | *10 518* | *7 409* | *9 308* |
| | *V* | *9 313* | *5 776* | *2 623* | *8 666* | *12 780* | *11 335* | *12 666* | *16 539* | *13 214* | *18 304* |
| ***Group total*** | ***Q*** | ***11 575*** | ***10 578*** | ***5 657*** | ***9 225*** | ***9 291*** | ***12 767*** | ***11 801*** | ***10 518*** | ***7 409*** | ***9 308*** |
| | ***V*** | ***9 313*** | ***5 776*** | ***2 623*** | ***8 666*** | ***12 780*** | ***11 335*** | ***12 666*** | ***16 539*** | ***13 214*** | ***18 304*** |

## B-81 Pearls, mother-of-pearl, shells
## Perles, nacres, coquilles
## Perlas, madreperlas, conchas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pearl oyster shells** | **Coquilles d'huitres perlières** | | | **Conchas de ostras perleras** | | ***Ex Pinctada spp*** | | | **3,16(06)006** | | **OSH** |
| Australia | | 5 000 F | 5 000 F | 7 000 F | 7 000 F | 7 000 F | 6 700 F | 6 600 F | 6 500 F | 6 300 F | 6 500 F |
| Cook Islands | | ... | ... | ... | ... | ... | 10 F | 100 F | 220 F | 250 F | 300 F |
| Fr Polynesia | | 1 000 F | 1 200 F | 1 400 F | 1 600 F | 2 000 F | 2 500 F | 3 000 F | 3 500 F | 4 500 F | 6 000 F |
| Japan | | 69 449 | 65 442 | 68 998 | 68 228 | 71 959 | 70 069 | 71 041 | 68 603 | 68 989 | 72 846 |
| Micronesia | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Papua N Guin | | ... | ... | ... | ... | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| *Species total* | *Q* | *75 449* | *71 642* | *77 398* | *76 828* | *80 964* | *79 284* | *80 746* | *78 828* | *80 044* | *85 651* |
| | *V* | *974 445* | *915 446* | *977 614* | *976 200* | *1 037 067* | *1 022 614* | *1 029 836* | *1 013 453* | *1 008 842* | *1 082 467* |
| ***Group total*** | ***Q*** | ***75 449*** | ***71 642*** | ***77 398*** | ***76 828*** | ***80 964*** | ***79 284*** | ***80 746*** | ***78 828*** | ***80 044*** | ***85 651*** |
| | ***V*** | ***974 445*** | ***915 446*** | ***977 614*** | ***976 200*** | ***1 037 067*** | ***1 022 614*** | ***1 029 836*** | ***1 013 453*** | ***1 008 842*** | ***1 082 467*** |

## B-83 Sponges
## Eponges
## Esponjas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sponges nei** | **Eponges nca** | | | **Esponjas nep** | | | *Spongidae* | | | | **SPO** |
| Micronesia | | ... | ... | 0 | 0 | 0 | 1 | 1 F | 1 F | 1 F | 1 F |
| *Species total* | *Q* | ... | ... | *0* | *0* | *0* | *1* | *1* | *1* | *1* | *1* |
| | *V* | ... | ... | *0* | *0* | *0* | *10* | *10* | *10* | *10* | *10* |
| ***Group total*** | ***Q*** | ... | ... | ***0*** | ***0*** | ***0*** | ***1*** | ***1*** | ***1*** | ***1*** | ***1*** |
| | ***V*** | ... | ... | ***0*** | ***0*** | ***0*** | ***10*** | ***10*** | ***10*** | ***10*** | ***10*** |

6,15(01)

# B-91 Brown seaweeds / Algues brunes / Algas pardas

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Brown seaweeds** | **Algues brunes** | | | **Algas pardas** | | | ***Phaeophyceae*** | | **7,71** | | **SWB** |
| Russian Fed | | | | | | . | | | . . . | 1 300 | 1 500 |
| USSR | | 3 500 F | 3 500 F | 3 615 | 3 459 | 5 000 | 3 070 | 5 388 | 9 742 | - | - |
| *Species total* | *Q* | *3 500* | *3 500* | *3 615* | *3 459* | *5 000* | *3 070* | *5 388* | *9 742* | *1 300* | *1 500* |
| | *V* | *6 027* | *5 846* | *7 171* | *7 642* | *11 529* | *6 140* | *10 776* | *24 355* | *2 990* | *3 450* |
| **Kelp** | **...B** | | | **...C** | | | ***Laminaria japonica*** | | **7,77(02)002,02** | | **LNJ** |
| China | | 1 503 966 | 1 523 034 | 1 220 622 | 1 073 400 | 1 298 490 | 1 637 478 | 1 465 836 | 2 139 960 | 2 964 774 | 3 610 962 |
| Japan | | 62 756 | 53 593 | 54 143 | 49 582 | 59 696 | 64 383 | 54 297 | 42 619 | 72 924 | 59 966 |
| Korea D P Rp | | 450 000 | 450 000 F | 450 000 F | 450 000 F | 300 000 F | 110 000 F | 110 000 F | 100 000 F | 100 000 F | 100 000 F |
| Korea Rep | | 7 927 | 11 796 | 9 445 | 9 980 | 11 612 | 2 617 | 8 084 | 8 938 | 9 560 | 17 180 |
| *Species total* | *Q* | *2 024 649* | *2 038 423* | *1 734 210* | *1 582 962* | *1 669 798* | *1 814 478* | *1 638 217* | *2 291 517* | *3 147 258* | *3 788 108* |
| | *V* | *1 644 206* | *1 655 286* | *1 389 019* | *1 255 170* | *1 413 152* | *1 661 050* | *1 506 496* | *2 043 733* | *2 529 069* | *2 849 345* |
| **Wakame** | **...B** | | | **...C** | | | ***Undaria pinnatifida*** | | **7,77(04)003,01** | | **UDP** |
| Japan | | 114 586 | 112 375 | 135 621 | 115 918 | 110 539 | 108 451 | 112 974 | 99 092 | 112 302 | 89 581 |
| Korea D P Rp | | 150 000 | 100 000 F | 50 000 F | 15 000 F | 10 000 F | 7 500 F | 7 500 F | 7 500 F | 8 000 F | 8 000 F |
| Korea Rep | | 230 188 | 256 436 | 346 434 | 285 085 | 281 657 | 280 856 | 269 333 | 266 966 | 371 432 | 372 182 |
| *Species total* | *Q* | *494 774* | *468 811* | *532 055* | *416 003* | *402 196* | *396 807* | *389 807* | *373 558* | *491 734* | *469 763* |
| | *V* | *146 409* | *125 350* | *159 365* | *144 636* | *136 319* | *139 526* | *181 510* | *184 894* | *211 753* | *171 930* |
| **Wakame nei** | **...B** | | | **...C** | | | ***Undaria spp*** | | **7,77(04)003** | | **UDS** |
| France | | | 6 | 0 | 6 F | 10 F | 43 F | 6 F | 53 F | 52 F | 50 F |
| *Species total* | *Q* | *. . .* | *6* | *0* | *6* | *10* | *43* | *6* | *53* | *52* | *50* |
| | *V* | *. . .* | *5* | *0* | *5* | *8* | *34* | *5* | *42* | *47* | *40* |
| ***Group total*** | ***Q*** | ***2 522 923*** | ***2 510 740*** | ***2 269 880*** | ***2 002 430*** | ***2 077 004*** | ***2 214 398*** | ***2 033 418*** | ***2 674 870*** | ***3 640 344*** | ***4 259 421*** |
| | ***V*** | ***1 796 642*** | ***1 786 487*** | ***1 555 555*** | ***1 407 453*** | ***1 561 008*** | ***1 806 750*** | ***1 698 787*** | ***2 253 024*** | ***2 743 859*** | ***3 024 765*** |

## B-92 Red seaweeds / Algues rouges / Algas rojas

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Red seaweeds** | **Algues rouges** | | | **Algas rojas** | | ***Rhodophyceae*** | | | **7,81** | | **SWR** |
| Indonesia | | 60 000 F | 58 217 | 77 462 | 80 000 F | 85 000 F | 80 000 F | 100 000 F | 90 000 F | 95 000 F | 100 000 F |
| *Species total* | *Q* | *60 000* | *58 217* | *77 462* | *80 000* | *85 000* | *80 000* | *100 000* | *90 000* | *95 000* | *100 000* |
| | *V* | *1 800* | *1 843* | *2 324* | *4 000* | *4 250* | *4 000* | *,5 000* | *9 000* | *10 450* | *11 000* |
| **Laver(=Nori)** | **...B** | | | **...C** | | ***Porphyra tenera*** | | | **7,82(02)002,08** | | **PRT** |
| China | | 100 700 | 91 970 | 84 830 | 93 170 | 92 210 | 92 550 | 52 940 | 116 480 | 158 990 | 193 230 |
| Japan | | 396 530 | 351 788 | 403 112 | 321 238 | 442 806 | 403 290 | 387 245 | 403 363 | 382 805 | 362 955 |
| Korea D P Rp | | 2 750 | 2 750 F | 2 750 F | 2 750 F | 2 750 F | 2 500 F | 2 500 F | 2 500 F | 3 000 F | 3 000 F |
| Korea Rep | | 136 484 | 109 819 | 143 396 | 83 287 | 115 749 | 140 088 | 97 637 | 143 845 | 163 555 | 235 272 |
| Other Asia | | 70 | 62 | 67 | 44 | 51 | 0 | 0 | 0 | 0 | 6 |
| *Species total* | *Q* | *636 534* | *556 389* | *634 155* | *500 489* | *653 566* | *638 428* | *540 322* | *666 188* | *708 350* | *794 463* |
| | *V* | *712 724* | *681 615* | *1 003 572* | *951 202* | *1 368 197* | *1 063 531* | *923 360* | *1 204 371* | *1 135 147* | *1 098 977* |
| **Gelidium** | **...B** | | | **...C** | | ***Gelidium spp*** | | | **7,85(01)002** | | **GEL** |
| Korea D P Rp | | | | | | | 270 F | 270 F | 250 F | 250 F | 250 F |
| *Species total* | *Q* | ... | ... | ... | ... | ... | *270* | *270* | *250* | *250* | *250* |
| | *V* | ... | ... | ... | ... | ... | *108* | *108* | *100* | *100* | *100* |
| **...A** | **...B** | | | **...C** | | ***Eucheuma alvarezii*** | | | **7,87(05)014,02** | | **EMA** |
| Philippines | | 3 893 F | 5 000 F | 4 627 F | 6 626 F | 7 692 F | 8 060 F | 8 735 F | 8 513 F | 10 485 F | 10 428 |
| *Species total* | *Q* | *3 893* | *5 000* | *4 627* | *6 626* | *7 692* | *8 060* | *8 735* | *8 513* | *10 485* | *10 428* |
| | *V* | *655* | *739* | *625* | *885* | *1 058* | *1 076* | *1 084* | *967* | *1 292* | *1 296* |
| **...A** | **...B** | | | **...C** | | ***Eucheuma cottoni*** | | | **7,87(05)014,03** | | **EMC** |
| Philippines | | 122 537 F | 157 385 F | 145 632 F | 189 922 F | 220 509 F | 231 082 F | 250 411 F | 244 053 F | 300 575 F | 327 719 |
| *Species total* | *Q* | *122 537* | *157 385* | *145 632* | *189 922* | *220 509* | *231 082* | *250 411* | *244 053* | *300 575* | *327 719* |
| | *V* | *24 375* | *27 494* | *23 235* | *29 978* | *35 544* | *36 153* | *36 271* | *31 984* | *43 959* | *47 654* |
| **...A** | **...B** | | | **...C** | | ***Eucheuma spinosum*** | | | **7,87(05)014,04** | | **EMI** |
| Philippines | | 6 877 F | 8 833 F | 8 173 F | 11 041 F | 12 820 F | 13 435 F | 14 559 F | 14 190 F | 17 475 F | 18 382 |
| *Species total* | *Q* | *6 877* | *8 833* | *8 173* | *11 041* | *12 820* | *13 435* | *14 559* | *14 190* | *17 475* | *18 382* |
| | *V* | *1 031* | *1 163* | *983* | *1 314* | *1 489* | *1 515* | *1 506* | *1 395* | *1 704* | *1 741* |

## B-92 Red seaweeds / Algues rouges / Algas rojas

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ...A ...B ...C | | | | | | *Eucheuma spp* | | | 7,87(05)014 | | EMX |
| Fiji | | | 75 | 173 | 217 | 100 | 120 | 126 | 69 | 48 | 33 |
| Kiribati | | .. | ... | 1 500 | 324 | 411 | 324 | 400 F | 400 F | 400 F | 350 F |
| Micronesia | | 0 | 85 | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 | 0 |
| Tanzania | | | | | . | | 600 F | 1 200 F | 4 800 F | 5 000 F | 5 000 F |
| *Species total* | *Q* | *0* | *160* | *1 674* | *542* | *512* | *1 045* | *1 726* | *5 269* | *5 448* | *5 383* |
| | *V* | *0* | *49* | *437* | *209* | *151* | *228* | *347* | *851* | *1 124* | *1 123* |
| ...A ...B ...C | | | | | | *Gracilaria spp* | | | 7,87(12)004 | | GLS |
| Chile | | 6 800 | 4 924 | 5 332 | 9 178 | 23 109 | 36 150 | 38 017 | 57 679 | 47 807 | 48 648 |
| Italy | | . . | . . | . | ... | | ... | | | 5 000 | 5 000 |
| Korea D P Rp | | 250 | 250 R | 250 R | 250 R | 250 R | 200 F | 200 F | 200 F | 250 F | 250 F |
| Namibia | | .. | .. | . | ... | . | ... | 5 840 | 2 824 | 1 272 | 1 300 F |
| Other Asia | | 10 086 | 10 025 | 9 231 | 5 436 | 6 567 | 9 282 | 10 614 | 9 268 | 11 034 | 7 924 |
| Philippines | | | . | | . | | . | | | | 2 |
| Saint Lucia | | | 10 F | 10 F | 10 F | 4 | 4 F | 4 F | 4 F | 2 | 1 |
| Venezuela | | ... | ... | ... | ... | | ... | | | 5 | 5 F |
| Viet Nam | | 1 000 | 1 500 | 1 700 | 1 700 | 1 700 | 1 700 F | 2 000 | 3 000 F | 5 000 F | 5 000 |
| *Species total* | *Q* | *18 136* | *16 709* | *16 523* | *16 574* | *31 630* | *47 336* | *56 675* | *72 975* | *70 370* | *68 130* |
| | *V* | *12 902* | *12 036* | *12 781* | *8 905* | *16 925* | *17 157* | *21 154* | *31 223* | *27 123* | *26 347* |
| ***Group total*** | ***Q*** | ***847 977*** | ***802 693*** | ***888 246*** | ***805 194*** | ***1 011 729*** | ***1 019 656*** | ***972 698*** | ***1 101 438*** | ***1 207 953*** | ***1 324 755*** |
| | ***V*** | ***753 487*** | ***724 939*** | ***1 043 957*** | ***996 493*** | ***1 427 614*** | ***1 123 768*** | ***988 830*** | ***1 279 891*** | ***1 220 899*** | ***1 188 238*** |

## B-93 Green seaweeds and other algae / Algues vertes et autres algues / Algas verdes y otras algas

Q = mt
V = US$'000

| Species, country / Espèce, pays / Especie, país | | | 1984 mt | 1985 mt | 1986 mt | 1987 mt | 1988 mt | 1989 mt | 1990 mt | 1991 mt | 1992 mt | 1993 mt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Green laver** | **...B** | | | | **...C** | | ***Monostroma nitidum*** | | | **7,08(04)001,02** | | **MTN** |
| Korea Rep | | | 4 734 | 10 658 | 11 040 | 7 588 | 8 670 | 10 116 | 12 463 | 14 367 | 17 248 | 12 053 |
| *Species total* | | *Q* | *4 734* | *10 658* | *11 040* | *7 588* | *8 670* | *10 116* | *12 463* | *14 367* | *17 248* | *12 053* |
| | | *V* | *3 114* | *5 136* | *3 609* | *3 712* | *6 314* | *8 269* | *14 652* | *15 129* | *13 456* | *18 773* |
| **...A** | **...B** | | | | **...C** | | ***Caulerpa spp*** | | | **7,17(02)001** | | **CAU** |
| Philippines | | | 8 781 F | 11 278 F | 10 436 F | 13 250 F | 15 384 F | 16 122 F | 17 471 F | 17 027 F | 20 970 F | 23 479 |
| *Species total* | | *Q* | *8 781* | *11 278* | *10 436* | *13 250* | *15 384* | *16 122* | *17 471* | *17 027* | *20 970* | *23 479* |
| | | *V* | *3 225* | *3 637* | *3 074* | *3 861* | *4 376* | *4 822* | *4 700* | *4 339* | *5 888* | *6 411* |
| ***Group total*** | | ***Q*** | ***13 515*** | ***21 936*** | ***21 476*** | ***20 838*** | ***24 054*** | ***26 238*** | ***29 934*** | ***31 394*** | ***38 218*** | ***35 532*** |
| | | ***V*** | ***6 339*** | ***8 773*** | ***6 683*** | ***7 573*** | ***10 690*** | ***13 091*** | ***19 352*** | ***19 468*** | ***19 344*** | ***25 184*** |

## B-94 Miscellaneous aquatic plants
## Plantes aquatiques diverses
## Diversas plantas acuáticas

Q = mt
V = US$'000

| Species, country<br>Espèce, pays<br>Especie, país | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aquatic plants nei** | **Plantes aquatiques nca** | | | **Plantas acuáticas nep** | | ***Algae*** | | | **7,99** | | **APL** |
| Canada | | . . . | | | | 5 | 10 | 10 F | 5 F | 5 F | 5 F |
| China | | 36 090 | 67 500 | 183 890 | 157 930 | 190 670 | 115 120 | 195 760 | 286 210 | 429 370 | 603 330 |
| Japan | | 4 636 | 5 455 | 6 251 | 8 327 | 6 196 | 9 790 | 10 871 | 10 715 | 10 659 | 13 533 |
| Korea D P Rp | | 17 000 R | 17 000 R | 17 000 R | 17 000 R | 17 000 R | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F |
| Korea Rep | | 4 348 | 8 789 | 13 861 | 12 173 | 23 904 | 20 403 | 24 365 | 11 422 | 18 175 | 8 440 |
| Madagascar | | . . . | | | | | | . . | . . . | 1 025 | |
| Other Asia | | 5 | 0 | 2 | 52 | 18 | 0 | 1 | 2 | 0 | 0 |
| South Africa | | 30 F | 150 F | 150 F | 200 F | 250 | 260 | 260 | 285 | 309 | 300 F |
| *Species total* | *Q* | *62 109* | *98 894* | *221 154* | *195 682* | *238 043* | *155 583* | *241 267* | *318 639* | *469 543* | *635 608* |
| | *V* | *86 680* | *152 748* | *394 234* | *348 340* | *418 717* | *276 398* | *433 737* | *617 239* | *908 433* | *1 127 955* |
| ***Group total*** | ***Q*** | ***62 109*** | ***98 894*** | ***221 154*** | ***195 682*** | ***238 043*** | ***155 583*** | ***241 267*** | ***318 639*** | ***469 543*** | ***635 608*** |
| | ***V*** | ***86 680*** | ***152 748*** | ***394 234*** | ***348 340*** | ***418 717*** | ***276 398*** | ***433 737*** | ***617 239*** | ***908 433*** | ***1 127 955*** |

# C - Aquaculture production by country

# C - Production de l'aquaculture par pays

# C - Producción de acuicultura por países

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Albania** | | | | | | | | | | |
| Freshwater fishes | 271 | 286 | 390 | 339 | 377 | 493 | 313 F | 159 F | 95 F | 99 F |
| Diadromous fishes | 20 | 20 | 22 | 220 | 245 | 270 | 203 | 37 | 20 | 23 F |
| Marine fishes | . | . | 1 | 1 | 3 | 1 | 2 F | 1 F | 1 F | 1 F |
| Molluscs | 906 | 902 | 1 752 | 1 808 | 3 107 | 1 840 | 4 443 | 662 | 281 | 320 F |
| **Algeria** | | | | | | | | | | |
| Freshwater fishes | 2 | 3 | 5 | 57 | 105 | 258 | 211 | 72 F | 149 F | 147 F |
| Diadromous fishes | | | | | | .. | 39 | 22 | 22 F | 23 F |
| Marine fishes | 25 | 29 F | 35 F | 42 F | 39 | 25 F | 24 | 24 | 24 F | 26 F |
| Crustaceans | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| Molluscs | 9 | 9 | 10 | 11 | 4 | 4 | 18 | 52 | 20 | 20 F |
| **Argentina** | | | | | | | | | | |
| Diadromous fishes | 150 | 200 | 200 | 350 | 350 | 300 | 300 | 350 | 800 | 650 |
| Crustaceans | - | - | - | - | - | - | - | - | 2 | 7 |
| Molluscs | . | 20 | 20 | 3 F | 3 | 0 | 0 | 0 | 0 | 0 |
| Aquatic animals nei | - | - | - | - | - | - | - | - | - | 50 |
| **Armenia** | | | | | | | | | | |
| Freshwater fishes | ... | | . | | | | | | 2 304 F | 2 200 F |
| Diadromous fishes | . | | | | | | | | 391 F | 370 F |
| **Australia** | | | | | | | | | | |
| Freshwater fishes | .. | . | 51 | 1 | 1 | 1 | 3 | 12 F | 22 | 42 F |
| Diadromous fishes | 951 | 987 | 653 | 1 492 | 2 799 F | 4 090 F | 3 922 F | 4 663 | 5 674 | 5 943 |
| Marine fishes | - | - | - | - | - | - | 10 | 60 | 129 | 557 |
| Crustaceans | 8 | 20 | 37 | 39 | 257 | 674 | 703 | 948 | 1 083 | 1 332 |
| Molluscs | 7 410 | 8 482 | 8 343 | 8 279 | 10 156 F | 9 071 F | 7 900 | 8 646 | 8 977 | 10 386 |
| Aquatic animals products nei | 5 000 F | 5 000 F | 7 000 F | 7 000 F | 7 000 F | 6 700 F | 6 600 F | 6 500 F | 6 300 F | 6 500 F |
| **Austria** | | | | | | | | | | |
| Freshwater fishes | 1 000 | 1 100 | 1 160 | 1 200 | 1 300 | 1 250 | 1 250 | 1 250 | 1 200 | 1 200 |
| Diadromous fishes | 3 000 | 3 000 | 2 950 | 2 800 | 3 200 | 3 200 | 3 000 | 2 700 | 2 400 | 3 000 |
| Crustaceans | ... | | . | | . | | . | 5 | 5 | 5 |
| **Bahamas** | | | | | | | | | | |
| Freshwater fishes | | 30 | 30 F | 22 | 36 | 55 | 43 | 4 | 5 | 0 |
| Marine fishes | .. | . | .. | ... | ... | 3 | 3 | 0 | 0 | 0 |
| Crustaceans | 10 F | 12 | 12 F | 15 F | 15 F | 11 | 3 | 2 | 5 | 8 |
| **Bangladesh** | | | | | | | | | | |
| Freshwater fishes | 108 806 | 112 529 | 119 210 | 135 442 | 138 257 | 144 395 | 151 161 | 158 338 | 209 097 | 224 691 |
| Crustaceans | 8 219 | 11 282 | 14 658 | 14 773 | 16 577 | 18 235 | 18 624 | 19 555 | 21 000 | 23 125 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Belgium** | | | | | | | | | | |
| Freshwater fishes | 10 | 140 | 180 | 220 | 250 | 225 | 225 | 300 | 300 | 300 |
| Diadromous fishes | 300 | 300 | 350 | 380 | 450 | 450 | 450 | 546 | 546 | 546 |
| **Belize** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | ... | ... | ... | 1 | 1 F | 2 F |
| Crustaceans | ... | 10 F | 50 F | 200 F | 200 F | 542 | 300 F | 157 | 157 F | 127 |
| **Benin** | | | | | | | | | | |
| Freshwater fishes | 15 | 11 | 15 | 14 | 79 F | 84 F | 84 F | 75 F | 75 F | 90 F |
| **Bhutan** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | 15 | 12 | 31 | 35 F | 35 F | 30 F |
| **Bolivia** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | 10 | 10 | 20 F | 81 | 21 | 80 | 124 |
| Diadromous fishes | ... | ... | ... | 35 | 85 | 320 | 144 | 159 | 186 | 311 |
| Marine fishes | ... | ... | ... | ... | ... | 8 | 290 | 20 | - | - |
| **Brazil** | | | | | | | | | | |
| Freshwater fishes | 10 000 | 10 000 | 10 000 | 12 000 F | 14 000 F | 16 000 F | 18 000 F | 20 000 F | 26 000 | 26 500 F |
| Diadromous fishes | ... | ... | ... | ... | ... | ... | ... | 600 | 800 | 800 F |
| Crustaceans | 600 F | 750 F | 850 F | 1 000 F | 1 400 F | 2 000 F | 2 300 F | 2 550 | 2 750 | 2 800 F |
| Molluscs | 100 | 123 | 130 | 130 | 130 F | 130 F | 130 F | 150 | 150 F | 150 F |
| **Brunei Darus** | | | | | | | | | | |
| Freshwater fishes | ... | ... | 0 | 1 | 1 | 2 | 2 F | 1 | 6 | 1 |
| Diadromous fishes | ... | ... | ... | 1 | 1 F | 0 | 0 | 0 | 8 | 26 |
| Marine fishes | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| Crustaceans | ... | ... | ... | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| **Bulgaria** | | | | | | | | | | |
| Freshwater fishes | 13 534 | 9 342 | 10 748 | 10 983 | 10 487 F | 10 160 F | 7 149 F | 7 112 | 7 397 | 7 185 |
| Diadromous fishes | 1 000 | 1 178 | 1 333 | 1 514 | 1 554 | 1 455 | 700 | 686 | 735 | 712 |
| Molluscs | 37 | 40 | 57 | 150 | 100 | - | - | - | - | - |
| **Burkina Faso** | | | | | | | | | | |
| Freshwater fishes | 74 | 33 F | 30 F | 26 F | 7 | 6 | 6 | 5 F | 5 F | 0 |
| **Burundi** | | | | | | | | | | |
| Freshwater fishes | 2 | 2 | 21 | 25 | 24 | 25 F | 30 F | 50 | 50 F | 55 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cambodia** | | | | | | | | | | |
| Freshwater fishes | 1 149 F | 3 140 F | 2 340 F | 2 640 F | 4 741 F | 6 282 F | 6 080 F | 6 090 F | 7 670 F | 7 919 F |
| **Cameroon** | | | | | | | | | | |
| Freshwater fishes | 282 | 130 | 124 | 137 | 167 | 138 F | 106 F | 74 F | 57 F | 50 |
| **Canada** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | 10 | 10 | 10 F | 5 F | 5 F | 5 F |
| Diadromous fishes | 1 697 | 1 969 F | 3 466 | 5 478 F | 13 348 | 20 843 F | 22 955 F | 35 269 | 36 447 | 38 856 F |
| Marine fishes | 50 | ... | ... | ... | 200 | 59 | 20 F | 20 F | 3 | 5 |
| Molluscs | 5 973 | 6 629 | 7 244 | 7 573 | 7 988 | 9 335 | 9 838 | 10 412 | 11 387 | 12 431 |
| Aquatic plants | . | | .. | . | 5 | 10 | 10 F | 5 F | 5 F | 5 F |
| **Cent Af Rep** | | | | | | | | | | |
| Freshwater fishes | 309 | 288 | 193 | 88 | 79 | 82 F | 105 F | 105 F | 338 | 351 F |
| **Channel Is** | | | | | | | | | | |
| Molluscs | | | 15 | 25 | 13 F | 13 F | 67 | 67 F | 50 F | 51 F |
| **Chile** | | | | | | | | | | |
| Diadromous fishes | 495 | 1 119 | 2 151 | 2 807 | 5 475 | 11 672 | 28 810 | 42 468 | 62 188 | 77 446 |
| Marine fishes | ... | ... | ... | ... | ... | ... | ... | 1 F | 5 F | 34 |
| Molluscs | 1 316 | 1 454 | 2 458 | 2 003 | 3 765 | 3 688 | 3 845 | 5 108 | 6 269 | 8 964 |
| Aquatic plants | 6 800 | 4 924 | 5 332 | 9 178 | 23 109 | 36 150 | 38 017 | 57 679 | 47 807 | 48 648 |
| **China** | | | | | | | | | | |
| Freshwater fishes | 2 078 100 | 2 379 300 | 2 931 500 | 3 484 100 | 3 897 500 | 4 166 725 | 4 454 267 | 4 617 467 | 5 328 391 | 6 464 948 |
| Marine fishes | 9 358 | 13 653 | 19 036 | 29 464 | 32 671 | 33 000 F | 33 000 F | 47 182 | 58 716 | 71 672 |
| Crustaceans | 22 021 | 42 665 | 85 367 | 156 003 | 202 319 | 193 528 | 194 004 | 233 993 | 224 974 | 122 079 |
| Molluscs | 342 791 | 386 190 | 522 880 | 711 137 | 944 826 | 1 035 327 | 1 122 364 | 1 234 970 | 1 597 467 | 2 221 468 |
| Aquatic plants | 1 640 756 | 1 682 504 | 1 489 342 | 1 324 500 | 1 581 370 | 1 845 148 | 1 714 536 | 2 542 650 | 3 553 134 | 4 407 522 |
| **Côte dIvoire** | | | | | | | | | | |
| Freshwater fishes | 11 | 60 F | 213 F | 234 F | 170 F | 168 F | 101 F | 357 | 306 | 312 |
| **Colombia** | | | | | | | | | | |
| Freshwater fishes | 270 | 367 | 517 | 679 | 1 429 F | 1 850 F | 3 195 F | 4 320 | 13 200 | 14 606 |
| Diadromous fishes | 400 | 400 | 400 | 400 | 600 | 800 | 1 200 | 1 200 | 1 300 | 2 028 |
| Marine fishes | .. | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crustaceans | 5 | 811 | 1 501 | 1 501 | 3 364 | 3 050 | 6 060 | 6 747 | 9 486 | 7 337 |
| **Congo** | | | | | | | | | | |
| Freshwater fishes | 29 | 39 | 82 | 115 | 177 | 243 | 240 | 243 | 26 | 5 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cook Islands** | | | | | | | | | | |
| Diadromous fishes | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aquatic animals products nei | | | | | | 10 F | 100 F | 220 F | 250 F | 300 F |
| **Costa Rica** | | | | | | | | | | |
| Freshwater fishes | 131 | 58 | 58 | 130 F | 152 F | 146 | 237 | 1 211 | 1 355 | 1 510 |
| Diadromous fishes | 50 | 25 | 25 | 30 | 35 | 33 | 24 | 27 | 28 | 30 |
| Crustaceans | 4 | 8 | 8 | 169 | 207 | 227 | 307 | 732 | 857 | 910 |
| Molluscs | 10 | 15 | 15 | 4 | 5 | 4 | 5 | 5 | 4 | 5 |
| **Croatia** | | | | | | | | | | |
| Freshwater fishes | | | | | | . | | . | 5 916 | 3 806 |
| Diadromous fishes | | | | | | | | . . . | 229 | 357 |
| Marine fishes | | | | | | . . | | . | 428 | 204 |
| Molluscs | | | | | | | | | 236 | 241 |
| **Cuba** | | | | | | | | | | |
| Freshwater fishes | 14 529 F | 15 134 | 15 356 | 16 031 | 14 689 | 17 795 | 21 860 | 20 106 | 20 693 | 16 988 |
| Marine fishes | | | | | | | | | 9 | 7 |
| Crustaceans | . . . | . . . | . . . | 345 | 502 | . . . | . . . | | | |
| Molluscs | 1 000 F | 1 134 | 1 100 F | 1 300 | 1 134 | 1 100 F | 1 000 F | 1 000 F | 800 F | 450 F |
| **Cyprus** | | | | | | | | | | |
| Freshwater fishes | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Diadromous fishes | 56 | 53 | 54 | 47 | 53 | 57 | 73 | 67 | 95 | 92 |
| Marine fishes | 1 | 1 | 1 | 2 | 5 | 26 F | 50 | 57 | 71 | 170 |
| Crustaceans | - | - | - | - | - | - | - | - | - | 0 |
| **Czech Rep** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | | 22 320 |
| Diadromous fishes | | | | | | | | | | 528 |
| **Czechoslovak** | | | | | | | | | | |
| Freshwater fishes | 18 441 | 18 758 | 20 122 | 19 643 | 20 322 | 20 310 | 21 291 | 21 108 | 23 146 | - |
| Diadromous fishes | 1 047 | 1 055 | 1 112 | 1 093 | 925 | 956 | 1 035 | 653 | 989 | - |
| **Denmark** | | | | | | | | | | |
| Diadromous fishes | 23 609 | 24 244 | 24 412 | 25 860 | 28 670 | 33 070 | 41 956 | 41 900 | 41 650 | 41 600 |
| **Dominica** | | | | | | | | | | |
| Freshwater fishes | - | - | - | - | - | - | - | - | 2 | 2 F |
| Crustaceans | - | - | - | - | - | - | - | - | 4 | 1 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Dominican Rp** | | | | | | | | | | |
| Freshwater fishes | 0 | 3 F | 3 F | 3 F | 3 F | 34 F | 140 F | 536 | 550 | 407 |
| Diadromous fishes | ... | ... | ... | . | 1 | 1 F | 0 | 0 | 0 | 0 |
| Crustaceans | 50 | 190 F | 298 | 320 | 273 | 186 | 140 F | 78 | 264 F | 939 |
| Molluscs | | . | | . | | | | 1 | 1 F | 1 F |
| **Ecuador** | | | | | | | | | | |
| Freshwater fishes | . | . . | | 93 | 42 | 42 F | 47 | 79 | 1 480 | 3 099 |
| Diadromous fishes | ... | ... | . | 105 | 342 | 342 | 414 | 958 | 1 227 | 1 260 |
| Crustaceans | 33 600 | 30 205 | 30 683 | 73 698 | 75 244 | 72 764 | 77 269 | 106 108 | 113 987 | 86 272 |
| Molluscs | | | | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| **Egypt** | | | | | | | | | | |
| Freshwater fishes | 15 000 F | 27 346 F | 30 000 F | 30 000 F | 31 000 F | 31 000 F | 30 916 | 29 918 | 29 195 | 26 041 |
| Marine fishes | ... | 1 500 F | 500 F | 1 400 F | 2 200 F | 5 500 F | 6 000 | 8 740 | 9 700 | 9 139 |
| **El Salvador** | | | | | | | | | | |
| Freshwater fishes | 10 | 15 | 15 | 16 | 15 | 7 | 4 | 17 | 39 | 107 |
| Marine fishes | ... | 568 | 654 | 518 | 484 | 484 | 484 | 22 | 314 | 385 |
| Crustaceans | ... | 93 | 91 | 256 | 219 | 220 | 144 | 100 | 203 | 153 |
| **Estonia** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 234 | 33 |
| Diadromous fishes | | | . | | | | | - | 459 | 297 |
| **Ethiopia** | | | | | | | | | | |
| Freshwater fishes | | | | | 1 | 33 | 36 F | 36 F | 22 F | 28 F |
| **Faeroe Is** | | | | | | | | | | |
| Diadromous fishes | 513 | 1 620 | 2 520 | 4 523 | 5 260 | 8 131 | 13 076 | 18 283 | 19 098 | 18 720 |
| **Fiji** | | | | | | | | | | |
| Freshwater fishes | 3 | 3 | 3 | 1 | 3 F | 10 | 14 | 25 F | 77 F | 70 F |
| Marine fishes | ... | ... | ... | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Crustaceans | 3 | 4 | 7 | 8 | 8 F | 8 | 9 F | 9 F | 16 | 95 |
| Molluscs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aquatic plants | ... | 75 | 173 | 217 | 100 | 120 | 126 | 69 | 48 | 33 |
| **Finland** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | . | | | 72 | 2 | 36 | 5 |
| Diadromous fishes | 9 586 | 10 166 | 11 006 | 12 689 | 16 367 | 18 550 | 18 478 | 19 266 | 17 873 | 17 521 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Fr Guiana** | | | | | | | | | | |
| Crustaceans | 2 | 15 | 36 | 71 | 63 | 89 | 83 | 83 | 80 | 80 |
| **Fr Polynesia** | | | | | | | | | | |
| Diadromous fishes | - | - | - | - | - | - | - | - | 3 | 6 |
| Crustaceans | 17 | 22 | 24 | 33 | 60 | 79 | 78 | 75 | 67 | 68 |
| Molluscs | 5 | 17 | 13 | 6 | 5 | 9 | 7 | 2 | 0 | 0 |
| Aquatic animals products nei | 1 000 F | 1 200 F | 1 400 F | 1 600 F | 2 000 F | 2 500 F | 3 000 F | 3 500 F | 4 500 F | 6 000 F |
| **France** | | | | | | | | | | |
| Freshwater fishes | 2 000 | 4 270 | 7 860 | 7 405 | 8 180 | 7 580 | 7 580 | 7 620 | 8 520 | 8 550 |
| Diadromous fishes | 24 930 F | 25 292 F | 30 472 F | 32 185 F | 33 740 F | 34 075 | 39 810 F | 40 552 | 44 210 | 48 760 F |
| Marine fishes | 10 | 100 | 110 | 165 | 330 | 285 F | 345 F | 430 F | 400 F | 400 F |
| Crustaceans | 5 | 6 | 16 | 26 | 28 | 5 | 11 | 5 | 10 | 20 |
| Molluscs | 165 664 | 197 189 | 205 403 | 192 317 | 185 466 | 183 168 F | 209 051 F | 196 236 | 196 612 | 213 150 F |
| Aquatic plants | ... | 6 | 0 | 6 F | 10 F | 43 F | 6 F | 53 F | 52 F | 50 F |
| **Gabon** | | | | | | | | | | |
| Freshwater fishes | 2 | 2 | 3 | 3 | 2 | 2 F | 2 F | 3 F | 5 F | 5 F |
| **Gambia** | | | | | | | | | | |
| Crustaceans | ... | ... | ... | ... | ... | 53 | 60 | | | |
| **Georgia** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 890 F | 840 F |
| Diadromous fishes | | | | | | | | | 10 F | 10 F |
| **Germany** | | | | | | | | | | |
| Freshwater fishes | 18 855 | 19 967 | 19 387 | 18 717 | 20 015 | 22 396 | 19 480 | 17 650 | 13 635 | 13 064 |
| Diadromous fishes | 19 619 | 17 259 | 20 899 | 22 161 | 22 213 | 25 580 | 24 626 | 23 300 | 25 813 | 25 550 |
| Marine fishes | ... | ... | ... | ... | ... | 1 | 1 | 1 F | 0 | 0 |
| Molluscs | 53 000 | 20 818 | 29 949 | 25 950 | 29 777 | 18 641 | 20 328 | 30 067 | 50 901 | 24 750 |
| **Ghana** | | | | | | | | | | |
| Freshwater fishes | 450 | 357 | 359 | 386 | 427 | 330 F | 360 F | 410 F | 430 F | 465 F |
| **Greece** | | | | | | | | | | |
| Freshwater fishes | 300 | 110 F | 140 F | 319 | 378 | 378 | 330 | 294 | 281 | 233 |
| Diadromous fishes | 2 000 | 2 000 | 1 806 | 1 907 | 2 271 | 2 073 | 1 993 F | 1 824 | 2 465 | 2 251 |
| Marine fishes | ... | ... | 90 | 135 F | 330 F | 790 | 3 550 | 4 599 | 9 169 | 13 394 |
| Molluscs | 200 F | 200 | 230 | 380 | 1 100 | 1 500 | 3 800 | 5 898 | 8 391 | 16 700 |
| Aquatic animals nei | - | - | - | - | - | - | - | - | 0 | 0 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Guadeloupe** | | | | | | | | | | |
| Crustaceans | 40 | 31 | 35 F | 40 F | 42 | 44 | 42 | 44 | 35 | 40 |
| **Guam** | | | | | | | | | | |
| Freshwater fishes | 31 | 71 | 108 | 133 | 136 | 142 | 154 | 139 | 152 | 166 |
| Diadromous fishes | 14 | 14 | 34 | 47 | 62 | 68 | 58 | 35 | 25 | 25 |
| Marine fishes | - | - | - | - | - | - | 0 | 1 | 0 | 0 |
| Crustaceans | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 20 |
| **Guatemala** | | | | | | | | | | |
| Freshwater fishes | 35 | 70 | 74 | 108 | 125 | 166 F | 167 F | 234 | 304 | 376 |
| Crustaceans | 26 | 389 | 454 | 543 | 795 F | 612 F | 787 F | 597 | 655 | 679 |
| Molluscs | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3 |
| **Guinea** | | | | | | | | | | |
| Freshwater fishes | 3 | 3 | 2 | 2 | 1 | 1 F | 1 F | 1 F | 5 F | 5 F |
| **Guyana** | | | | | | | | | | |
| Freshwater fishes | 14 | 12 | 12 | 13 | 13 F | 15 | 15 F | 15 F | 15 F | 14 F |
| Crustaceans | 3 | 15 F | 53 | 36 | 40 F | 45 F | 45 F | 50 F | 45 F | 45 F |
| **Honduras** | | | | | | | | | | |
| Freshwater fishes | 2 | 171 | 186 | 270 | 116 | 318 F | 132 F | 143 F | 207 F | 217 F |
| Crustaceans | 579 | 294 | 799 | 1 779 F | 2 729 F | 3 000 F | 3 269 | 4 032 | 5 500 | 8 124 |
| **Hong Kong** | | | | | | | | | | |
| Freshwater fishes | 6 175 | 5 400 | 5 173 | 5 950 | 6 010 | 5 170 | 5 525 | 5 320 | 4 880 | 5 082 |
| Diadromous fishes | 100 F | 67 | 105 | 34 | 23 | 170 | 167 | 224 | 187 | 211 |
| Marine fishes | 1 505 F | 1 922 | 2 563 | 3 386 | 3 892 | 3 459 | 3 759 | 4 440 | 3 733 | 3 473 |
| Molluscs | 576 | 512 | 1 280 | 1 066 | 853 | 730 | 805 | 640 | 533 | 533 |
| **Hungary** | | | | | | | | | | |
| Freshwater fishes | 16 282 | 18 078 | 16 731 | 17 564 | 17 805 | 20 324 | 17 343 | 14 352 | 14 193 | 9 489 |
| Diadromous fishes | 191 | 237 | 266 | 384 | 318 | 224 | 257 | 82 | 37 | 23 |
| **Iceland** | | | | | | | | | | |
| Diadromous fishes | 137 | 103 | 273 | 643 | 1 209 | 1 677 | 2 829 | 2 873 | 2 524 | 2 914 |
| Marine fishes | - | - | - | - | - | - | - | - | - | 3 |
| **India** | | | | | | | | | | |
| Freshwater fishes | 500 000 F | 620 000 F | 672 000 F | 773 000 F | 873 000 F | 976 000 F | 981 487 | 1 183 841 | 1 347 587 | 1 384 680 F |
| Diadromous fishes | ... | 250 F | 260 F | 310 F | 330 F | 350 F | 451 | 1 224 | 602 | 900 F |
| Crustaceans | 10 000 F | 13 000 F | 14 000 F | 15 000 F | 20 000 F | 28 150 F | 30 183 | 35 696 | 42 000 | 50 835 |
| Molluscs | 1 500 F | 1 000 F | 1 000 F | 1 200 F | 1 000 F | 1 000 F | 1 000 F | 2 000 F | 1 500 F | 2 500 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Indonesia** | | | | | | | | | | |
| Freshwater fishes | 148 906 | 167 594 | 181 819 | 204 922 | 207 821 F | 211 863 F | 247 082 | 226 250 | 248 347 | 261 460 |
| Diadromous fishes | 85 103 | 87 253 | 104 394 | 107 355 | 119 387 F | 121 994 F | 135 910 | 142 879 | 149 041 | 162 621 |
| Marine fishes | 4 346 | 3 902 | 4 283 | 4 770 | 6 927 | 7 048 | 7 415 | 7 032 | 8 685 | 10 000 |
| Crustaceans | 32 409 | 36 769 | 42 596 | 59 680 | 80 955 F | 100 927 F | 109 417 | 141 346 | 144 295 | 158 000 |
| Aquatic plants | 60 000 F | 58 217 | 77 462 | 80 000 F | 85 000 F | 80 000 F | 100 000 F | 90 000 F | 95 000 F | 100 000 F |
| **Iran I R** | | | | | | | | | | |
| Freshwater fishes | 17 869 F | 17 036 F | 20 000 F | 24 000 F | 28 000 F | 30 000 F | 44 241 | 19 647 | 41 645 | 21 032 |
| Diadromous fishes | 500 | 740 | 930 | 820 | 900 F | 1 000 | 893 | 579 | 775 | 835 |
| **Iraq** | | | | | | | | | | |
| Freshwater fishes | 4 476 | 4 500 F | 4 564 | 4 500 F | 7 084 | 7 500 F | 8 000 F | 8 000 F | 15 142 | 14 600 F |
| **Ireland** | | | | | | | | | | |
| Diadromous fishes | 1 097 | 1 289 | 1 778 | 3 220 | 5 255 | 6 600 | 7 407 | 10 585 | 10 830 | 13 949 |
| Molluscs | 14 225 | 10 675 | 11 104 | 15 156 | 13 018 F | 14 060 F | 16 169 F | 21 116 F | 15 658 | 19 642 |
| **Israel** | | | | | | | | | | |
| Freshwater fishes | 10 639 | 11 874 | 11 649 | 13 057 | 13 942 | 13 210 | 13 269 | 13 644 | 11 288 | 12 061 |
| Diadromous fishes | 136 | 262 | 123 | 364 | 382 | 360 | 480 | 424 | 380 | 490 |
| Marine fishes | 702 | 793 | 499 | 603 | 808 | 1 020 | 886 F | 1 031 F | 738 | 1 050 |
| Crustaceans | 25 | 25 | 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| **Italy** | | | | | | | | | | |
| Freshwater fishes | 2 500 F | 2 600 F | 2 600 F | 2 500 F | 2 800 F | 3 175 F | 3 350 | 5 775 | 4 616 | 5 100 |
| Diadromous fishes | 25 600 | 27 800 | 28 300 | 38 500 | 34 000 | 36 750 | 39 350 | 39 485 | 39 015 | 38 810 |
| Marine fishes | 3 800 | 3 900 | 6 200 | 4 800 | 5 180 | 5 150 | 5 400 | 6 003 | 5 838 | 6 300 |
| Crustaceans | | | ... | ... | | 30 | 34 | 34 | 34 | 25 |
| Molluscs | 65 000 | 70 001 | 72 030 | 73 416 | 90 334 | 88 616 | 96 100 | 95 000 | 110 700 | 106 400 |
| Aquatic plants | | | | | | | | | 5 000 | 5 000 |
| **Jamaica** | | | | | | | | | | |
| Freshwater fishes | 328 | 1 046 | 1 442 | 1 500 F | 2 400 F | 2 500 F | 2 520 F | 2 630 F | 2 655 F | 2 800 F |
| Crustaceans | 15 | 15 | 19 | 20 | 30 | 30 | 30 F | 30 F | 30 F | 40 F |
| Molluscs | 4 F | 12 | 12 F | 12 F | 12 F | 10 F | 10 F | 10 F | 12 F | 15 F |
| **Japan** | | | | | | | | | | |
| Freshwater fishes | 26 387 | 25 186 | 24 166 | 25 767 | 24 729 | 24 403 | 23 779 | 23 374 | 21 159 | 18 744 |
| Diadromous fishes | 74 604 | 76 822 | 75 857 | 81 815 | 88 819 | 92 831 | 95 513 | 98 595 | 93 997 | 86 845 |
| Marine fishes | 185 306 | 188 526 | 189 149 | 208 161 | 225 450 | 215 277 | 231 898 | 242 064 | 237 984 | 238 125 |
| Crustaceans | 2 102 | 2 200 | 2 494 | 3 013 | 3 089 | 2 890 | 2 706 | 2 539 | 2 251 | 1 766 |
| Molluscs | 331 785 | 360 136 | 392 049 | 412 428 | 454 332 | 438 030 | 442 326 | 429 400 | 454 342 | 478 594 |
| Aquatic animals nei | 9 270 | 8 073 | 9 047 | 7 937 | 10 335 | 11 149 | 8 071 | 7 440 | 8 597 | 8 958 |
| Aquatic animals products nei | 69 449 | 65 442 | 68 998 | 68 228 | 71 959 | 70 069 | 71 041 | 68 603 | 68 989 | 72 846 |
| Aquatic plants | 578 508 | 523 211 | 599 127 | 495 065 | 619 237 | 585 914 | 565 387 | 555 789 | 578 690 | 526 035 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Jordan** | | | | | | | | | | |
| Freshwater fishes | 30 F | 45 F | 65 | 70 | 70 | 55 | 60 | 20 | 22 | 60 |
| **Kenya** | | | | | | | | | | |
| Freshwater fishes | 115 | 117 | 121 | 126 | 251 | 603 | 698 | 722 | 749 | 763 |
| Diadromous fishes | 90 | 93 | 98 | 80 | 307 | 319 | 311 | 287 | 268 | 276 |
| Crustaceans | 2 | 3 | 5 | 4 | 3 | 50 F | 227 | 169 | 119 | 106 |
| **Kiribati** | | | | | | | | | | |
| Freshwater fishes | ... | 1 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 2 F |
| Diadromous fishes | 13 | 14 | 30 | 25 | 1 | 2 | 2 F | 2 F | 2 F | 1 F |
| Aquatic plants | | | 1 500 | 324 | 411 | 324 | 400 F | 400 F | 400 F | 350 F |
| **Korea D P Rp** | | | | | | | | | | |
| Freshwater fishes | 5 000 | 5 500 | 5 500 | 6 000 | 8 000 | 9 000 F | 10 000 F | 10 000 F | 11 000 F | 11 000 F |
| Diadromous fishes | 300 F | 400 F | 600 F | 700 F | 800 F | 1 000 F | 1 200 F | 1 500 F | 2 000 F | 2 000 F |
| Crustaceans | 11 000 | 11 000 F | 11 000 F | 12 000 F | 12 000 F | 12 500 F | 12 500 F | 13 000 F | 13 000 F | 13 000 F |
| Molluscs | 20 000 F | 20 000 F | 30 000 F | 40 000 F | 45 000 F | 45 000 F | 50 000 | 50 000 | 55 000 F | 55 000 F |
| Aquatic plants | 620 000 | 570 000 F | 520 000 F | 485 000 F | 330 000 F | 130 470 F | 130 470 F | 120 450 F | 121 500 F | 121 500 F |
| **Korea Rep** | | | | | | | | | | |
| Freshwater fishes | 692 | 1 182 | 3 439 F | 5 119 | 7 381 | 8 788 | 12 603 | 10 109 | 15 168 | 14 080 |
| Diadromous fishes | 598 | 1 150 | 1 178 | 3 145 | 1 480 | 2 302 | 2 675 | 3 636 | 4 580 | 4 600 |
| Marine fishes | 331 | 1 413 | 2 975 F | 1 773 | 1 290 | 2 661 | 2 656 | 3 194 | 4 595 | 4 329 |
| Crustaceans | 93 | 87 | 143 F | 201 | 181 | 302 | 312 | 511 | 592 | 291 |
| Molluscs | 282 290 F | 369 635 | 439 681 | 448 080 | 424 290 | 353 645 | 326 135 | 307 811 | 338 846 | 345 781 |
| Aquatic animals nei | 11 657 | 19 575 | 20 796 | 19 137 | 22 878 | 36 795 | 32 302 | 16 968 | 11 726 | 22 343 |
| Aquatic plants | 383 681 | 397 498 | 524 176 | 398 113 | 441 592 | 454 080 | 411 882 | 445 538 | 579 970 | 645 127 |
| **Kuwait** | | | | | | | | | | |
| Marine fishes | | 2 F | 3 F | 5 F | 8 F | 10 F | 0 | 0 | 5 F | 5 F |
| **Laos** | | | | | | | | | | |
| Freshwater fishes | 2 500 | 4 000 F | 5 000 F | 6 000 F | 7 000 F | 8 000 F | 10 000 F | 12 000 F | 14 000 F | 12 000 F |
| **Latvia** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 619 | 334 |
| Diadromous fishes | | | | | | | | | 22 | 5 |
| **Lebanon** | | | | | | | | | | |
| Diadromous fishes | 300 | 300 | 375 | 200 | 100 | 100 | 80 F | 80 | 130 F | 180 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Lesotho** | | | | | | | | | | |
| Freshwater fishes | 12 | 21 | 23 | 25 | 27 | 22 F | 17 F | 12 F | 13 F | 13 F |
| Diadromous fishes | 1 | 2 | 2 | 1 | 3 | 3 F | 3 F | 3 F | 4 F | 5 F |
| **Liberia** | | | | | | | | | | |
| Freshwater fishes | 7 | 8 | 6 | 3 | 2 | 3 F | 0 | 0 | 0 | 0 |
| **Libya** | | | | | | | | | | |
| Freshwater fishes | | | | 30 F | 30 F | 50 F | 70 F | 70 F | 80 F | 80 F |
| **Lithuania** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 3 912 | 2 915 |
| Diadromous fishes | | | | | | | | | 20 | 3 |
| **MacedoniaFYR** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | | 742 |
| **Madagascar** | | | | | | | | | | |
| Freshwater fishes | 190 | 284 | 181 | 194 | 229 | 230 F | 240 F | 200 | 622 | 300 F |
| Diadromous fishes | ... | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Crustaceans | - | - | - | - | - | 0 | 10 F | 38 | 30 | 790 |
| Aquatic plants | | | | | | | | | 1 025 | |
| **Malawi** | | | | | | | | | | |
| Freshwater fishes | 119 F | 175 F | 182 F | 195 F | 209 F | 211 F | 191 F | 220 F | 220 F | 251 F |
| Crustaceans | 4 | 5 | 6 | 8 | 6 | 6 F | 6 F | 3 F | 3 F | 5 F |
| **Malaysia** | | | | | | | | | | |
| Freshwater fishes | 3 782 | 5 157 | 4 442 | 3 127 F | 7 715 F | 7 445 | 6 871 | 6 774 | 14 325 | 12 623 |
| Diadromous fishes | 160 | 338 | 819 | 1 067 | 1 267 | 3 999 | 1 608 | 1 954 | 4 356 | 6 689 |
| Marine fishes | 23 | 99 | 144 | 180 | 269 | 272 | 264 | 651 | 551 | 2 611 |
| Crustaceans | 130 | 228 | 364 | 769 | 1 425 | 2 221 | 1 570 | 2 474 | 3 058 | 4 340 |
| Molluscs | 64 210 | 45 365 | 46 373 | 41 794 F | 36 234 | 40 896 | 37 564 | 48 292 | 57 088 | 78 974 |
| **Mali** | | | | | | | | | | |
| Freshwater fishes | 3 | 6 | 10 | 12 | 17 | 13 | 13 F | 31 | 40 | 52 |
| **Malta** | | | | | | | | | | |
| Freshwater fishes | | | | | | | 3 | 0 | 0 | 0 |
| Marine fishes | | | | | | | | 200 F | 500 | 650 |
| **Martinique** | | | | | | | | | | |
| Freshwater fishes | | | | 1 | 1 | 14 | 36 | 35 | 50 | 62 |
| Marine fishes | ... | | | 7 | 0 | 4 | 2 | 10 | 15 | 10 |
| Crustaceans | 27 | 35 | 50 | 53 | 52 | 57 | 49 | 52 | 38 | 42 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Mauritius** | | | | | | | | | | |
| Freshwater fishes | 1 | 3 | 3 | 4 | 5 | 5 | 8 | 10 | 12 | 18 |
| Marine fishes | 16 | 16 | 11 | 11 | 11 | 15 | 16 | 16 | 18 | 23 |
| Crustaceans | 24 | 26 | 28 | 49 | 49 | 52 | 45 | 52 | 60 | 46 |
| Molluscs | 1 | 8 | 8 | 8 | 8 | 10 | 9 | 8 | 10 | 8 |
| **Mexico** | | | | | | | | | | |
| Freshwater fishes | 6 987 | 7 886 | 6 986 | 12 962 | 13 405 | 13 413 | 15 036 | 12 979 | 12 696 | 12 229 |
| Diadromous fishes | 152 | 269 | 347 | 464 | 759 | 840 | 1 113 | 1 559 | 1 601 | 663 |
| Crustaceans | 325 | 360 | 393 | 647 | 910 F | 1 353 F | 1 701 F | 2 614 | 2 667 F | 2 675 F |
| Molluscs | 41 010 | 38 462 | 38 452 | 46 325 | 52 026 | 52 131 | 47 739 | 34 604 | 29 237 | 23 275 |
| **Micronesia** | | | | | | | | | | |
| Diadromous fishes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Molluscs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aquatic animals products nei | ... | ... | 0 | 0 | 0 | 1 | 1 F | 1 F | 1 F | 1 F |
| Aquatic plants | 0 | 85 | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 | 0 |
| **Morocco** | | | | | | | | | | |
| Freshwater fishes | 40 | 10 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| Diadromous fishes | 30 | 30 | 15 | 10 | 14 | 15 | 20 | 130 | 220 | 255 |
| Marine fishes | ... | ... | ... | ... | ... | ... | ... | 152 | 375 | 375 |
| Molluscs | 110 | 120 | 125 | 140 | 140 F | 140 F | 150 F | 120 F | 120 F | 130 F |
| **Mozambique** | | | | | | | | | | |
| Freshwater fishes | ... | ... | 5 | 21 | 24 | 24 F | 20 F | 19 F | 14 F | 10 F |
| **Myanmar** | | | | | | | | | | |
| Freshwater fishes | 4 290 F | 5 044 | 5 797 | 5 487 | 5 668 | 6 940 | 7 083 | 4 252 F | 4 460 F | 6 699 |
| Crustaceans | 7 | 10 | 8 F | 6 F | 5 F | 7 | 4 | 4 F | 6 F | 6 |
| **Namibia** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 F |
| Molluscs | ... | ... | ... | ... | ... | ... | 20 F | 20 F | 22 F | 30 F |
| Aquatic plants | ... | ... | ... | ... | ... | ... | 5 840 | 2 824 | 1 272 | 1 300 F |
| **Nepal** | | | | | | | | | | |
| Freshwater fishes | 1 997 F | 3 265 | 4 162 | 5 435 | 5 125 | 6 836 | 9 258 | 10 314 | 10 621 | 9 434 |
| **Neth Antiles** | | | | | | | | | | |
| Molluscs | ... | ... | ... | 21 | 10 F | 10 F | 10 F | 10 F | 5 F | 5 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Netherlands** | | | | | | | | | | |
| Freshwater fishes | 20 | 75 | 300 | 300 | 400 | 475 F | 1 000 F | 1 100 F | 1 100 F | 1 100 F |
| Diadromous fishes | 150 | 220 | 300 | 400 | 465 | 600 F | 750 F | 800 F | 770 F | 575 F |
| Molluscs | 60 149 | 116 252 | 85 896 | 98 867 | 78 296 | 107 800 | 99 745 | 50 348 | 52 835 | 68 775 |
| Aquatic animals nei | | | | | 2 | 2 F | 2 F | 0 | 0 | 0 |
| **New Zealand** | | | | | | | | | | |
| Diadromous fishes | 92 | 180 F | 611 F | 880 F | 1 155 | 1 510 F | 2 510 F | 2 760 F | 2 710 F | 2 615 F |
| Molluscs | 10 853 | 11 655 | 16 366 | 18 486 | 26 666 | 25 535 F | 26 150 F | 45 900 F | 48 620 F | 49 101 F |
| **NewCaledonia** | | | | | | | | | | |
| Crustaceans | 54 | 95 | 65 | 88 | 232 | 293 | 490 | 644 | 733 | 632 |
| Molluscs | | | | | | 92 | 91 | 110 | 114 | 86 |
| **Nicaragua** | | | | | | | | | | |
| Freshwater fishes | 3 | 2 | 1 | 3 | 4 F | 4 F | 4 F | 4 | 4 | 4 |
| Crustaceans | | | | 45 | 70 | 100 F | 100 F | 70 | 56 | 60 F |
| **Niger** | | | | | | | | | | |
| Freshwater fishes | 9 | 7 | 13 F | 19 F | 25 F | 29 F | 44 F | 26 F | 13 F | 16 F |
| **Nigeria** | | | | | | | | | | |
| Freshwater fishes | 6 239 | 7 622 | 5 184 | 5 703 | 10 302 | 25 510 F | 7 059 | 13 646 | 16 076 | 16 190 F |
| Marine fishes | | | 272 | 299 | 329 | 330 F | 288 | 1 719 | 1 012 | 910 F |
| **Norway** | | | | | | | | | | |
| Diadromous fishes | 25 869 | 34 617 | 49 987 | 56 206 | 89 880 | 113 719 | 149 947 | 160 705 F | 130 870 F | 172 749 F |
| Marine fishes | | | | 7 | 15 | 12 F | 10 F | 22 F | 27 F | 22 F |
| Molluscs | | | 175 | 133 | 92 | 49 | 81 | 0 | 0 | 0 |
| **Oman** | | | | | | | | | | |
| Crustaceans | | | | 8 | 0 | 0 | - | - | - | - |
| **Other Asia** | | | | | | | | | | |
| Freshwater fishes | 90 634 | 91 531 | 88 185 | 86 432 | 91 354 | 74 438 | 80 750 | 78 582 | 72 906 | 83 793 |
| Diadromous fishes | 67 256 | 68 674 | 64 296 | 72 290 | 92 223 | 67 535 | 151 775 | 102 168 | 82 756 | 96 287 |
| Marine fishes | 3 029 | 3 869 | 4 455 | 5 056 | 4 075 | 3 101 | 4 178 | 2 872 | 3 922 | 12 776 |
| Crustaceans | 19 835 | 20 954 | 52 420 | 90 757 | 44 679 | 31 505 | 31 091 | 40 866 | 26 540 | 21 288 |
| Molluscs | 58 731 | 55 410 | 47 185 | 45 043 | 61 518 | 57 636 | 65 392 | 57 855 | 62 938 | 59 376 |
| Aquatic animals nei | 393 | 305 | 270 | 319 | 496 | 721 | 460 | 774 | 1 408 | 3 328 |
| Aquatic plants | 10 161 | 10 087 | 9 300 | 5 532 | 6 636 | 9 282 | 10 615 | 9 270 | 11 034 | 7 930 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Pakistan** | | | | | | | | | | |
| Freshwater fishes | 8 500 F | 8 500 F | 8 500 F | 8 500 F | 6 797 | 9 710 | 10 045 | 12 800 | 12 612 | 13 378 |
| Diadromous fishes | . | . | . | . . | 13 | 16 | 16 | 16 F | 20 F | 20 F |
| Crustaceans | . . | | | | 40 | 42 F | 41 | 41 | 38 | 38 |
| **Panama** | | | | | | | | | | |
| Freshwater fishes | 73 F | 242 F | 444 | 613 | 649 | 201 | 302 | 279 | 165 | 191 |
| Crustaceans | 1 434 | 2 562 | 3 016 | 2 847 | 3 538 F | 3 500 F | 3 136 F | 3 598 F | 3 655 F | 3 505 F |
| **Papua N Guin** | | | | | | | | | | |
| Freshwater fishes | | . . . | | | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| Diadromous fishes | . . . | . | | | 2 | 2 F | 2 F | 2 F | 2 F | 2 F |
| Molluscs | . | . | . | . | . | 1 | 1 F | 1 F | 1 F | 1 F |
| Aquatic animals products nei | . . | | | | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| **Paraguay** | | | | | | | | | | |
| Freshwater fishes | 0 | 0 | 0 | 22 | 54 | 51 F | 61 F | 60 F | 70 F | 70 F |
| **Peru** | | | | | | | | | | |
| Freshwater fishes | 28 | 52 | 240 | 323 F | 468 F | 406 F | 483 F | 532 F | 390 F | 330 |
| Diadromous fishes | 618 | 607 | 506 | 661 | 850 | 1 000 | 1 608 | 1 200 | 1 142 | 1 122 |
| Crustaceans | 1 739 | 1 468 | 1 644 | 3 080 | 3 515 F | 3 363 F | 3 005 F | 5 004 F | 3 772 | 3 110 |
| Molluscs | 730 | 5 421 | 316 | 110 F | 140 F | 100 F | 130 F | 130 F | 100 F | 100 F |
| **Philippines** | | | | | | | | | | |
| Freshwater fishes | 32 427 | 50 238 | 61 825 | 83 737 | 81 232 | 89 223 | 81 077 F | 81 647 F | 98 847 F | 97 110 |
| Diadromous fishes | 238 769 | 193 743 | 179 506 | 197 527 | 187 877 | 192 896 | 211 661 | 238 821 | 171 152 | 148 979 |
| Marine fishes | . . . | . . . | . . . | . . . | . . . | . . . | 2 363 | 6 776 | 3 125 F | 785 |
| Crustaceans | 30 138 | 30 766 F | 32 115 | 36 862 | 46 003 | 49 283 | 54 989 F | 52 031 | 82 397 F | 101 469 |
| Molluscs | 34 923 | 37 941 | 28 609 | 22 005 | 27 947 | 29 222 | 31 000 | 29 499 | 35 562 | 43 360 |
| Aquatic plants | 142 088 F | 182 496 F | 168 868 F | 220 839 F | 256 405 F | 268 699 F | 291 176 F | 283 783 F | 349 505 F | 380 010 |
| **Poland** | | | | | | | | | | |
| Freshwater fishes | 18 285 | 18 584 | 17 114 | 18 872 | 22 224 | 22 224 | 22 400 | 25 500 F | 26 050 | 14 650 F |
| Diadromous fishes | 1 715 | 1 515 | 1 570 | 1 600 | 3 727 | 3 727 | 4 000 | 4 000 | 4 150 | 4 309 |
| **Portugal** | | | | | | | | | | |
| Freshwater fishes | . . . | . . . | . . . | . . . | . . | . . . | . . . | | | 1 |
| Diadromous fishes | 760 | 860 | 1 755 | 2 135 | 1 851 | 1 079 | 2 387 | 2 370 | 1 804 | 1 438 |
| Marine fishes | 385 | 423 | 576 | 576 | 582 | 39 | 112 | 310 | 386 | 379 |
| Crustaceans | | . | . . | . . | . . | 6 | 0 | 22 | 3 | 0 |
| Molluscs | 4 000 | 4 000 | 8 000 | 8 300 | 8 000 | 7 425 | 2 469 | 3 575 | 4 209 | 4 153 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Puerto Rico** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | 10 | 16 | 7 | 362 | 188 | 105 |
| Crustaceans | ... | ... | ... | 97 | 76 | 224 | 242 | 172 | 439 | 246 |
| Aquatic animals nei | ... | 31 | 30 F | 31 F | 30 F | 30 F | 20 F | 20 F | 10 F | |
| **Reunion** | | | | | | | | | | |
| Diadromous fishes | ... | 12 | 14 | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marine fishes | ... | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crustaceans | ... | 4 | 6 | 7 | 3 | 2 | 2 | 3 | 3 | 3 |
| Aquatic animals nei | 30 | 29 | 30 | 30 | 30 | 38 | 30 | 30 | 20 | 10 |
| **Romania** | | | | | | | | | | |
| Freshwater fishes | 37 200 | 38 900 | 38 000 F | 38 000 F | 40 000 F | 38 000 F | 35 000 F | 32 000 F | 26 000 F | 23 000 F |
| Crustaceans | 18 | 25 | 30 | 11 | - | 0 | - | - | - | - |
| **Russian Fed.** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 102 056 | 89 613 |
| Diadromous fishes | | | | | | | | | 1 137 | 937 |
| Marine fishes | | | | | | | | | - | 10 |
| Crustaceans | | | | | | | | | 1 | 1 |
| Molluscs | | | | | | | | | 500 | 805 |
| Aquatic plants | | | | | | | | | 1 300 | 1 500 |
| **Rwanda** | | | | | | | | | | |
| Freshwater fishes | 39 | 39 | 61 F | 64 F | 38 F | 44 F | 164 F | 58 F | 53 | 53 F |
| **Saint Lucia** | | | | | | | | | | |
| Freshwater fishes | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crustaceans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Aquatic plants | ... | 10 F | 10 F | 10 F | 4 | 4 F | 4 F | 4 F | 2 | 1 |
| **Samoa** | | | | | | | | | | |
| Crustaceans | | | | | | | | | 0 | 0 |
| Molluscs | | | | | | | | | 0 | 0 |
| **Saudi Arabia** | | | | | | | | | | |
| Freshwater fishes | ... | ... | 26 | 138 | 328 | 1 230 | 1 936 | 2 017 | 2 201 F | 2 315 F |
| Marine fishes | ... | ... | 2 | 1 | 1 | 0 | 171 | 171 F | 179 | 188 |
| Crustaceans | ... | ... | 0 | 1 | 2 | 10 | 51 | 135 | 179 | 188 |
| **Senegal** | | | | | | | | | | |
| Freshwater fishes | 13 | 1 | 2 | 2 | 10 | 8 | 5 | 10 | 5 | 16 |
| Crustaceans | 1 | 5 | 6 | 7 | 3 | 3 | 2 | 2 F | 6 | 10 |
| Molluscs | 36 | 30 | 26 | 25 | 30 | 30 F | 30 F | 25 F | 25 F | 20 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Seychelles** | | | | | | | | | | |
| Crustaceans | | | | | | 7 | 15 | 12 | 15 F | 15 F |
| **Sierra Leone** | | | | | | | | | | |
| Freshwater fishes | 7 | 9 | 14 | 18 | 20 | 20 F | 20 F | 20 F | 20 F | 15 F |
| **Singapore** | | | | | | | | | | |
| Diadromous fishes | 185 | 169 | 203 | 219 | 235 | 201 | 307 | 239 | 393 | 227 |
| Marine fishes | 130 | 124 | 170 | 164 | 190 | 232 | 253 | 784 | 393 | 287 |
| Crustaceans | 308 | 314 | 340 | 452 | 352 | 303 | 282 | 283 | 382 | 524 |
| Molluscs | 526 | 618 | 617 | 1 020 | 1 192 | 1 229 | 1 015 | 694 | 1 182 | 1 290 |
| **Slovakia** | | | | | | | | | | |
| Freshwater fishes | . | | | | | | | | | 802 |
| Diadromous fishes | | . | | | | | | . | | 786 |
| **Solomon Is** | | | | | | | | | | |
| Crustaceans | 28 | 0 | 0 | 6 | 5 | 3 | 5 | 6 | 6 F | 6 F |
| **South Africa** | | | | | | | | | | |
| Freshwater fishes | 0 | 1 F | 13 F | 24 F | 182 | 259 | 929 | 1 256 | 591 | 600 F |
| Diadromous fishes | 350 F | 400 F | 560 F | 600 F | 600 | 620 | 950 | 1 220 | 990 | 990 F |
| Marine fishes | | 20 | 20 | 20 F | 20 | 20 | 20 F | 20 F | 20 F | 30 F |
| Crustaceans | - | - | - | - | - | - | - | - | 39 | 40 F |
| Molluscs | 0 | 194 | 196 | 452 F | 584 | 1 149 | 1 737 | 2 396 | 1 593 | 1 414 F |
| Aquatic animals nei | 0 | 10 F | 1 F | 10 F | 43 F | 60 | 70 F | 85 F | 80 F | 90 F |
| Aquatic plants | 30 F | 150 F | 150 F | 200 F | 250 | 260 | 260 | 285 | 309 | 300 F |
| **Spain** | | | | | | | | | | |
| Freshwater fishes | 150 F | 250 F | 300 F | 350 F | 450 | 463 | 350 | 396 | 403 | 400 F |
| Diadromous fishes | 13 981 | 11 768 | 14 279 | 11 983 | 16 218 F | 15 243 | 18 525 | 18 651 | 19 364 F | 19 662 F |
| Marine fishes | | 329 | 439 | 412 | 420 F | 965 | 2 711 | 2 304 | 3 810 F | 4 469 F |
| Crustaceans | . . | 16 | 56 | 3 253 | 2 823 | 2 786 | 2 707 | 2 310 | 2 307 F | 2 110 F |
| Molluscs | 233 295 | 249 775 | 251 012 | 249 166 | 249 941 | 200 280 | 180 436 | 201 512 | 145 553 F | 97 266 F |
| **Sri Lanka** | | | | | | | | | | |
| Freshwater fishes | 3 000 F | 3 500 F | 4 000 F | 4 500 F | 5 000 F | 5 000 F | 4 500 F | 4 000 F | 3 500 F | 3 000 F |
| Crustaceans | 10 | 250 | 400 | 500 F | 669 F | 700 F | 650 F | 700 F | 750 F | 750 F |
| **St Kitts Nev** | | | | | | | | | | |
| Crustaceans | . | | | | | | | 3 F | 3 F | 3 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sudan** | | | | | | | | | | |
| Freshwater fishes | 10 | 30 | 41 | 43 | 45 | 100 F | 234 | 203 | 200 F | 200 F |
| **Suriname** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 3 F | 3 F |
| Crustaceans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Swaziland** | | | | | | | | | | |
| Freshwater fishes | 8 | 12 | 18 | 19 | 20 | 20 F | 20 F | 20 F | 20 F | 25 F |
| **Sweden** | | | | | | | | | | |
| Freshwater fishes | 2 | 1 | . | | 0 | 0 | 0 | 0 | 0 | 0 |
| Diadromous fishes | 1 984 | 2 670 | 4 028 | 4 834 | 7 456 | 7 693 | 7 975 | 6 352 | 5 782 | 5 179 |
| Crustaceans | 2 | 1 | 1 | 1 | 3 | 4 | 8 | 8 | 8 | 11 |
| Molluscs | 1 280 | 415 | 325 | 2 556 | 858 | 241 | 1 163 | 1 643 | 1 353 | 737 |
| **Switzerland** | | | | | | | | | | |
| Freshwater fishes | | | | . . | | 41 | 40 | 130 | 130 | 135 |
| Diadromous fishes | 272 | 270 | 271 | 252 | 254 | 1 050 | 940 | 1 100 | 1 100 | 1 100 |
| **Syria** | | | | | | | | | | |
| Freshwater fishes | 1 425 F | 1 430 | 1 646 | 1 646 F | 1 646 F | 1 900 F | 2 729 | 3 017 F | 4 832 F | 4 900 F |
| Diadromous fishes | 100 F | 100 | 84 | 84 F | 84 F | 60 F | 60 F | 50 F | 75 F | 100 F |
| **Tanzania** | | | | | | | | | | |
| Freshwater fishes | 15 | 21 | 32 | 35 | 37 | 375 | 375 | 400 F | 400 F | 500 F |
| Aquatic plants | | | | | | 600 F | 1 200 F | 4 800 F | 5 000 F | 5 000 F |
| **Thailand** | | | | | | | | | | |
| Freshwater fishes | 49 429 | 74 232 | 85 665 | 78 428 | 91 542 | 83 929 | 91 151 F | 115 118 F | 131 249 | 134 579 |
| Diadromous fishes | 548 | 584 | 823 | 1 183 | 1 034 | 1 290 | 1 005 | 1 650 | 2 596 | 2 806 |
| Marine fishes | 540 | 385 | 422 | 650 | 497 | 555 | 415 | 355 | 1 085 | 1 171 |
| Crustaceans | 16 225 | 18 475 | 22 616 | 35 518 | 67 502 | 101 475 F | 126 043 F | 169 881 F | 195 229 | 227 163 |
| Molluscs | 45 188 | 42 158 | 18 875 | 58 693 | 58 521 | 72 936 | 73 100 | 66 345 | 40 613 | 48 416 |
| Aquatic animals nei | 3 | 7 | 16 | 20 | 5 | 6 | 5 | 18 | 131 | 134 |
| **Togo** | | | | | | | | | | |
| Freshwater fishes | 40 | 30 | 9 | 9 | 5 | 5 F | 14 | 14 | 150 | 150 |
| **Trinidad Tob** | | | | | | | | | | |
| Freshwater fishes | | | | | | 2 F | 2 F | 3 | 3 F | 4 F |
| Crustaceans | | | | | . . | | | 6 | 6 F | 6 F |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **Tunisia** | | | | | | | | | | |
| Diadromous fishes | ... | ... | ... | ... | ... | ... | 144 | 150 F | 151 | 250 F |
| Marine fishes | 17 | 25 | 60 | 77 F | 607 F | 450 F | 663 F | 618 F | 628 F | 967 F |
| Crustaceans | .. | ... | ... | ... | ... | ... | 3 | 0 | 0 | 0 |
| Molluscs | 99 | 122 | 122 | 135 | 386 | 370 F | 209 | 160 F | 65 F | 150 |
| **Turkey** | | | | | | | | | | |
| Freshwater fishes | 1 624 | 1 800 | 2 050 | 2 100 | 2 200 | 1 033 | 1 136 | 397 | 284 | 280 F |
| Diadromous fishes | 602 | 900 F | 990 | 1 105 | 1 765 | 2 471 | 3 512 | 5 646 | 7 073 | 7 641 F |
| Marine fishes | - | - | 35 | 95 | 135 | 850 | 1 134 | 1 792 | 1 850 | 935 F |
| **Turks Caicos** | | | | | | | | | | |
| Crustaceans | | | | | . | | | 0 | 0 | 0 |
| Molluscs | | | | 360 | 100 F | 10 F | 5 F | 2 | 2 | 1 |
| **Uganda** | | | | | | | | | | |
| Freshwater fishes | 31 | 33 | 35 | 38 | 34 | 42 F | 52 F | 63 F | 77 F | 87 |
| **Ukraine** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 66 128 | 65 327 |
| Diadromous fishes | | | | | | | | | 565 | 528 |
| Marine fishes | | | | | | | | | 3 | 75 |
| Molluscs | | | | | | | | | 208 | 187 |
| **Untd Arab Em** | | | | | | | | | | |
| Freshwater fishes | | | . | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marine fishes | 7 | 7 | 7 | 8 | 6 | 2 | 2 F | 2 F | 2 F | 3 F |
| Crustaceans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Uruguay** | | | | | | | | | | |
| Freshwater fishes | | | | 3 F | 4 | 3 F | 3 F | 3 F | 6 | 3 |
| Crustaceans | | | | | | | | | 1 | 2 |
| **Uzbekistan** | | | | | | | | | | |
| Freshwater fishes | | | | | | | | | 18 751 | 18 991 |
| Diadromous fishes | | | | | | | | | | 52 |
| **UK Engld Wal** | | | | | | | | | | |
| Freshwater fishes | 50 | 150 | 100 | 120 | 120 F | 200 | 50 | 50 | 50 | 16 |
| Diadromous fishes | 10 170 | 9 127 | 9 142 F | 10 192 F | 11 252 F | 13 240 F | 10 578 F | 10 219 F | 10 327 F | 9 517 |
| Crustaceans | .. | ... | ... | 2 | 5 | 10 | 15 | 10 | 7 | 3 |
| Molluscs | 1 000 F | 1 200 F | 1 200 F | 1 280 F | 1 841 F | 2 082 F | 1 626 F | 2 200 F | 3 488 | 3 770 |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **UK No Ireld** | | | | | | | | | | |
| Diadromous fishes | 417 | 464 | 520 | 500 | 700 | 850 | 1 062 | 1 062 | 1 200 | 1 100 |
| Molluscs | 127 | 127 | 137 | 113 | 150 | 256 | 572 | 2 129 | 293 | 391 F |
| **UK Scotland** | | | | | | | | | | |
| Diadromous fishes | 5 848 | 9 117 | 12 694 | 15 928 | 21 506 | 32 065 | 35 533 | 43 927 | 40 220 | 52 713 |
| Molluscs | . . . | . . . | 469 | 937 | 914 | 653 F | 638 | 1 317 | 1 239 | 1 264 |
| **USA** | | | | | | | | | | |
| Freshwater fishes | 134 590 | 138 734 | 164 803 | 180 909 | 175 111 F | 193 777 F | 175 992 | 190 488 | 222 553 | 242 161 |
| Diadromous fishes | 23 836 | 24 934 | 24 366 F | 27 145 F | 29 424 F | 29 390 F | 30 003 F | 34 577 F | 36 404 F | 36 282 F |
| Crustaceans | 27 370 | 29 794 | 45 014 | 44 480 | 31 061 | 30 841 | 33 289 | 29 265 | 30 738 | 28 916 |
| Molluscs | 140 657 | 130 111 F | 138 003 | 130 546 | 124 144 | 117 081 | 76 131 | 109 720 | 123 910 | 126 339 |
| **USSR** | | | | | | | | | | |
| Freshwater fishes | 259 084 F | 281 622 F | 311 503 | 336 241 | 351 377 | 343 181 | 392 805 | 420 099 | - | - |
| Diadromous fishes | 7 960 F | 7 960 F | 8 091 | 8 865 | 8 087 | 7 604 | 5 866 | 6 115 | - | - |
| Marine fishes | 100 F | 100 F | 164 | 91 | 85 | 0 | 60 | 111 | - | - |
| Molluscs | 110 F | 110 F | 128 | 168 | 234 | 310 | 159 | 1 543 | - | - |
| Aquatic plants | 3 500 F | 3 500 F | 3 615 | 3 459 | 5 000 | 3 070 | 5 388 | 9 742 | - | - |
| **Venezuela** | | | | | | | | | | |
| Freshwater fishes | 200 | 100 | 40 | 300 | 300 | 250 F | 200 F | 527 | 272 | 301 F |
| Diadromous fishes | 243 | 345 | 315 | 268 | 268 | 259 | 212 | 198 | 214 | 252 |
| Crustaceans | . . . | . . . | . . . | 2 | 55 F | 110 F | 320 F | 582 | 1 385 | 1 420 F |
| Molluscs | 160 | 358 | 50 | 50 F | 50 F | 55 F | 60 F | 68 | 50 F | 70 F |
| Aquatic plants | | | | | | | | | 5 | 5 F |
| **Viet Nam** | | | | | | | | | | |
| Freshwater fishes | 100 000 F | 110 000 F | 110 000 F | 115 000 F | 115 000 F | 115 000 F | 115 000 F | 130 000 F | 135 000 F | 135 000 |
| Crustaceans | 18 000 F | 18 000 F | 21 000 F | 24 600 F | 26 600 F | 34 300 F | 38 000 F | 45 000 F | 50 000 F | 57 000 F |
| Aquatic plants | 1 000 | 1 500 | 1 700 | 1 700 | 1 700 | 1 700 F | 2 000 | 3 000 F | 5 000 F | 5 000 |
| **Virgin Is US** | | | | | | | | | | |
| Freshwater fishes | 6 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Yugoslav SFR** | | | | | | | | | | |
| Freshwater fishes | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 11 743 F | 6 000 F | - | - |
| Diadromous fishes | 144 | 252 | 298 | 299 F | 319 | 310 F | 308 F | 205 F | - | - |
| Marine fishes | 2 | 25 | 110 | 85 F | 130 F | 300 F | 210 F | 130 F | - | - |
| Molluscs | 1 471 | 809 | 1 239 | 1 140 | 1 418 | 1 278 | 729 | 416 F | - | - |

## C-0 Production from aquaculture by country and by category
## Production de'aquaculture par pays et par catégories
## Producción de acuicultura por países y por categorías

| Country, category<br>Pays, catégorie<br>País, categoría | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|
| **YugoslaviaFR** | | | | | | | | | | |
| Freshwater fishes | ... | ... | ... | ... | ... | ... | ... | ... | 1 350 F | 1 400 F |
| Diadromous fishes | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 8 |
| Molluscs | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| **Zaire** | | | | | | | | | | |
| Freshwater fishes | 81 | 180 | 689 | 723 | 759 | 760 F | 700 F | 700 F | 730 F | 700 F |
| **Zambia** | | | | | | | | | | |
| Freshwater fishes | 340 | 363 | 695 | 1 091 | 1 147 | 1 180 F | 1 460 F | 2 470 F | 3 700 F | 4 655 |
| Crustaceans | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0 |
| **Zimbabwe** | | | | | | | | | | |
| Freshwater fishes | 46 | 38 | 42 | 46 | 49 | 50 F | 50 F | 40 F | 40 F | 60 F |
| Diadromous fishes | 86 | 93 | 98 | 98 | 103 | 100 | 110 | 90 | 90 | 100 |
| Crustaceans | 6 | 9 | 10 | 12 | 13 | 13 F | 15 F | 12 F | 10 F | 10 F |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Albania** | | | | | | | | | | | |
| *Carassius carassius* | | 10 | 10 | 12 | 5 | 2 | 7 | 5 F | 2 F | 1 F | 1 F |
| *Ctenopharyngodon idellus* | | ... | ... | ... | ... | ... | 7 | 6 F | 2 F | 1 F | 1 F |
| *Cyprinus carpio* | | 10 | 20 | 48 | 42 | 62 | 126 | 76 F | 23 F | 13 F | 15 F |
| *Hypophthalmichthys molitrix* | | 250 | 250 | 300 | 272 | 302 | 346 | 221 F | 129 F | 78 F | 80 F |
| *Megalobrama amblycephala* | | ... | ... | ... | ... | ... | 1 | 1 F | 0 | 0 | 0 |
| *Rutilus spp* | | ... | ... | ... | ... | ... | 5 | 3 F | 2 F | 1 F | 1 F |
| *Osteichthyes* | | 1 | 6 | 30 | 20 | 11 | 1 | 1 F | 1 F | 1 F | 1 F |
| *Oncorhynchus mykiss* | | 20 | 20 | 22 | 220 | 245 | 270 | 203 | 37 | 20 | 23 F |
| *Mugilidae* | | ... | ... | 1 | 1 | 3 | 1 | 2 F | 1 F | 1 F | 1 F |
| *Mytilus galloprovincialis* | | 906 | 902 | 1 752 | 1 808 | 3 107 | 1 840 | 4 443 | 662 | 281 | 320 F |
| *Fish and shellfish* | Q | *1 197* | *1 208* | *2 165* | *2 368* | *3 732* | *2 604* | *4 961 F* | *859 F* | *397 F* | *443 F* |
| *Poissons et fruits de mer* | V | *1 327* | *1 361* | *2 184* | *2 687* | *3 017* | *2 010* | *3 003 F* | *669 F* | *349 F* | *386 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Algeria** | | | | | | | | | | | |
| *Cyprinidae* | | ... | ... | ... | 20 | 14 | 12 | 16 | 20 F | 30 F | 30 F |
| *Cyprinus carpio* | | 2 | 3 | 4 | 36 | 89 | 242 | 191 | 46 | 113 | 110 F |
| *Osteichthyes* | | - | - | - | - | 0 | 0 | 0 | 2 | 2 F | 2 F |
| *Stizostedion lucioperca* | | ... | 0 | 1 | 1 | 2 | 4 | 4 | 4 | 4 F | 5 F |
| *Anguilla anguilla* | | ... | ... | ... | ... | ... | ... | 39 | 22 | 22 F | 23 F |
| *Solea vulgaris* | | - | - | - | - | - | - | 1 | 1 | 1 F | 1 F |
| *Dicentrarchus labrax* | | 2 | 4 F | 5 F | 6 F | 7 | 5 F | 2 | 4 | 4 F | 4 F |
| *Sparus aurata* | | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 F | 1 F |
| *Mugilidae* | | 22 | 25 | 30 | 36 | 32 | 20 | 19 | 18 | 18 F | 20 F |
| *Penaeus kerathurus* | | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| *Crassostrea gigas* | | 5 | 5 | 5 | 6 | 1 | 1 | 0 | 0 | 0 | 0 |
| *Mytilus galloprovincialis* | | 4 | 4 | 5 | 5 | 3 | 3 | 14 | 32 | 17 | 17 F |
| *Ruditapes decussatus* | | ... | ... | ... | ... | ... | ... | 4 | 20 | 3 | 3 F |
| *Fish and shellfish* | Q | *36* | *42 F* | *51 F* | *112 F* | *150* | *287 F* | *292* | *170 F* | *215 F* | *216 F* |
| *Poissons et fruits de mer* | V | *169* | *216 F* | *306 F* | *518 F* | *666* | *779 F* | *790* | *543 F* | *606 F* | *595 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Argentina** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 150 | 200 | 200 | 350 | 350 | 300 | 300 | 350 | 800 | 650 |
| *Macrobrachium rosenbergii* | | - | - | - | - | - | - | - | - | 2 | 7 |
| *Mytilus edulis* | | ... | 20 | 20 | 3 F | 3 | 0 | 0 | 0 | 0 | 0 |
| *Rana spp* | | - | - | - | - | - | - | - | - | - | 50 |
| *Fish and shellfish* | Q | *150* | *220* | *220* | *353* | *353* | *300* | *300* | *350* | *802* | *707* |
| *Poissons et fruits de mer* | V | *150* | *210* | *210* | *387* | *527* | *450* | *750* | *1 400* | *3 760* | *4 709* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Armenia** | | | | | | | | | | | |
| *Carassius auratus* | | | | | | | | | | 266 F | 250 F |
| *Cyprinidae* | | | | | | | | | | 318 F | 300 F |
| *Cyprinus carpio* | | | | | | | | | | 1 720 F | 1 650 F |
| *Oncorhynchus mykiss* | | | | | | | | | | 391 F | 370 F |
| *Fish and shellfish* | Q | | | | | | | | | *2 695 F* | *2 570 F* |
| *Poissons et fruits de mer* | V | | | | | | | | | *7 332 F* | *6 860 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Australia** | | | | | | | | | | | |
| *Carassius auratus* | | ... | ... | 1 | 1 | 1 | 1 | 1 | 2 F | 2 | 2 F |
| *Bidyanus bidyanus* | | ... | ... | ... | ... | ... | | 2 | 10 | 20 | 40 |
| *Perca fluviatilis* | | ... | ... | 50 | 0 | 0 | 0 | 0 | - | - | - |
| *Anguilla spp* | | ... | ... | 50 | 200 | 200 F | 200 F | 200 F | 200 | 200 | 200 |
| *Oncorhynchus mykiss* | | 951 | 974 | 570 | 1 227 | 2 333 | 2 118 | 1 935 | 1 709 | 2 178 | 1 977 |
| *Oncorhynchus tshawytscha* | | | | | | | | | 2 | 0 | 0 |
| *Salmo salar* | | ... | ... | 10 | 62 | 240 | 1 750 | 1 750 | 2 653 | 3 147 | 3 500 |
| *Salmo trutta* | | ... | 13 | 21 | 2 | 2 | 2 | 2 | 2 | 0 | 0 |
| *Salvelinus fontinalis* | | ... | ... | ... | ... | 2 | 2 | 2 F | 3 | 4 | 47 |
| *Lates calcarifer* | | ... | ... | 2 | 1 | 22 | 18 | 33 | 94 | 145 | 219 |
| *Maccullochella peeli* | | - | - | - | - | - | - | - | - | 11 | 10 |
| *Macquaria ambigua* | | | | | | | | 10 | 60 | 11 | 12 |
| *Thunnus thynnus* | | ... | ... | ... | ... | ... | ... | | | 107 | 535 |
| *Cherax destructor* | | 0 | 1 | 1 | 3 | 9 | 31 | 63 | 87 | 114 | 149 |
| *Cherax quadricarinatus* | | ... | ... | ... | ... | 7 | 166 | 32 | 33 | 40 | 41 |
| *Cherax tenuimanus* | | 8 | 4 | 8 | 10 | 3 | 7 | 14 | 15 | 17 | 19 |
| *Scylla serrata* | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Metapenaeus macleayi* | | ... | 13 | 2 | 2 | 30 | 10 | 10 | 2 | 0 | 0 |
| *Penaeus esculentus* | | ... | 1 | 1 | 0 | 10 | 0 | 7 | 0 | 0 | 0 |
| *Penaeus japonicus* | | | | ... | | | | | | 10 | 22 |
| *Penaeus merguiensis* | | ... | ... | ... | ... | 2 | 0 | - | - | - | - |
| *Penaeus monodon* | | ... | ... | 21 | 19 | 196 | 460 | 577 | 808 | 898 | 1 097 |
| *Penaeus plebejus* | | ... | 1 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Artemia salina* | | ... | ... | ... | ... | | | | 3 | 4 | 4 |
| *Haliotis rubra* | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Crassostrea commercialis* | | 6 819 | 8 309 | 7 400 | 7 390 | 7 919 | 6 696 | 5 444 | 5 180 | 5 553 | 7 141 |
| *Crassostrea gigas* | | 561 | 19 | 645 | 582 | 1 516 F | 1 664 | 1 690 | 2 893 | 2 593 | 2 517 |
| *Crassostrea spp* | | ... | ... | ... | ... | 10 F | 25 F | 37 | 57 | 33 | 30 |
| *Ostrea spp* | | - | - | - | - | - | - | - | - | 22 | 23 |
| *Mytilus planulatus* | | 30 | 154 | 298 | 307 | 711 | 686 | 729 | 505 | 757 | 565 |
| *Pecten fumatus* | | | | | | | | | 11 | 19 | 110 |
| *Fish and shellfish* | Q | *8 369* | *9 489* | *9 084* | *9 811* | *13 213* | *13 836* | *12 538* | *14 329* | *15 885* | *18 260* |
| *Poissons et fruits de mer* | V | *25 649* | *23 602* | *28 244* | *34 154* | *52 979* | *80 627* | *74 546* | *78 226* | *100 753* | *106 971* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Ex Pinctada spp* | | 5 000 F | 5 000 F | 7 000 F | 7 000 F | 7 000 F | 6 700 F | 6 600 F | 6 500 F | 6 300 F | 6 500 F |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Other aquatic organisms* | Q | *5 000 F* | *5 000 F* | *7 000 F* | *7 000 F* | *7 000 F* | *6 700 F* | *6 600 F* | *6 500 F* | *6 300 F* | *6 500 F* |
| *Autres organismes aquatiques* | V | *61 608 F* | *52 700 F* | *66 640 F* | *63 213 F* | *69 401 F* | *66 330 F* | *66 000 F* | *71 500 F* | *75 600 F* | *84 500 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Austria** | | | | | | | | | | | |
| *Cyprinus carpio* | | 1 000 | 1 100 | 1 160 | 1 200 | 1 300 | 1 250 | 1 250 | 1 250 | 1 200 | 1 200 |
| *Oncorhynchus mykiss* | | 3 000 | 3 000 | 2 950 | 2 800 | 3 200 | 3 200 | 3 000 | 2 700 | 2 400 | 3 000 |
| *Astacus spp, Cambarus spp* | | ... | ... | ... | ... | ... | ... | ... | 5 | 5 | 5 |
| *Fish and shellfish* | Q | *4 000* | *4 100* | *4 110* | *4 000* | *4 500* | *4 450* | *4 250* | *3 955* | *3 605* | *4 205* |
| *Poissons et fruits de mer* | V | *11 433* | *9 187* | *12 374* | *14 418* | *17 977* | *16 632* | *18 407* | *16 533* | *14 867* | *15 568* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Bahamas** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | ... | 30 | 30 F | 22 | 36 | 55 | 43 | 4 | 5 | 0 |
| *Sciaenops ocellatus* | | ... | ... | ... | ... | ... | 3 | 3 | 0 | 0 | 0 |
| *Penaeus vannamei* | | 10 F | 12 | 12 F | 15 F | 15 F | 10 | 3 | 2 | 5 | 8 |
| *Artemia salina* | | ... | ... | ... | ... | ... | 1 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *10 F* | *42* | *42 F* | *37 F* | *51 F* | *69* | *49* | *6* | *10* | *8* |
| *Poissons et fruits de mer* | V | *70 F* | *153* | *177 F* | *208 F* | *264 F* | *260* | *165* | *38* | *57* | *24* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Bangladesh** | | | | | | | | | | | |
| *Osteichthyes* | | 108 806 | 112 529 | 119 210 | 135 442 | 138 257 | 144 395 | 151 161 | 158 338 | 209 097 | 224 691 |
| *Natantia* | | 8 219 | 11 282 | 14 658 | 14 773 | 16 577 | 18 235 | 18 624 | 19 555 | 21 000 | 23 125 |
| *Fish and shellfish* | Q | *117 025* | *123 811* | *133 868* | *150 215* | *154 834* | *162 630* | *169 785* | *177 893* | *230 097* | *247 816* |
| *Poissons et fruits de mer* | V | *144 970* | *175 442* | *171 227* | *210 062* | *213 199* | *237 932* | *293 137* | *292 321* | *364 763* | *424 373* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Belgium** | | | | | | | | | | | |
| *Cyprinus carpio* | | 10 | 20 | 20 | 20 | 20 | 25 | 25 | 100 | 100 | 100 |
| *Oreochromis (=Tilapia) spp* | | 0 | 120 | 160 | 200 | 230 | 200 | 200 | 200 | 200 | 200 |
| *Acipenseridae* | | - | - | - | - | - | - | - | 1 | 1 | 1 |
| *Anguilla anguilla* | | ... | ... | ... | ... | 0 | 30 | 30 | 125 | 125 | 125 |
| *Oncorhynchus mykiss* | | 300 | 300 | 350 | 380 | 450 | 420 | 420 | 420 | 420 | 420 |
| *Fish and shellfish* | Q | *310* | *440* | *530* | *600* | *700* | *675* | *675* | *846* | *846* | *846* |
| *Poissons et fruits de mer* | V | *547* | *927* | *1 501* | *2 065* | *3 208* | *2 804* | *2 943* | *3 915* | *4 152* | *3 853* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Belize** | | | | | | | | | | | |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | ... | 1 | 1 F | 2 F |
| *Penaeus spp* | | ... | 10 F | 50 F | 200 F | 200 F | 542 | 300 F | 157 | 157 F | 127 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | Q | ... | *10 F* | *50 F* | *200 F* | *200 F* | *542* | *300 F* | *158* | *158 F* | *129* |
| *Poissons et fruits de mer* | V | ... | *100 F* | *500 F* | *2 200 F* | *2 200 F* | *5 962* | *3 300 F* | *1 728* | *1 728 F* | *1 398* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Benin** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 15 | 11 | 15 | 14 | 21 F | 24 F | 24 F | 25 F | 25 F | 30 F |
| *Chrysichthys spp* | | ... | ... | ... | ... | 58 | 60 F | 60 F | 50 F | 50 F | 60 F |
| *Fish and shellfish* | Q | *15* | *11* | *15* | *14* | *79 F* | *84 F* | *84 F* | *75 F* | *75 F* | *90 F* |
| *Poissons et fruits de mer* | V | *20* | *13* | *24* | *29* | *262 F* | *259 F* | *303 F* | *188 F* | *188 F* | *226 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Bhutan** | | | | | | | | | | | |
| *Osteichthyes* | | ... | ... | ... | ... | 15 | 12 | 31 | 35 F | 35 F | 30 F |
| *Fish and shellfish* | Q | ... | ... | ... | ... | *15* | *12* | *31* | *35 F* | *35 F* | *30 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | *15* | *12* | *31* | *39 F* | *40 F* | *36 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Bolivia** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | 10 | 10 | 20 F | 30 | 21 | 29 | 45 |
| *Oreochromis niloticus* | | ... | ... | ... | ... | ... | ... | ... | ... | 51 | 79 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | 51 | 0 | - | - |
| *Oncorhynchus mykiss* | | ... | ... | ... | 35 | 85 | 320 | 144 | 159 | 186 | 311 |
| *Basilichthys bonariensis* | | ... | ... | ... | ... | ... | 8 | 290 | 20 | - | - |
| *Fish and shellfish* | Q | ... | ... | ... | *45* | *95* | *348* | *515* | *200* | *266* | *435* |
| *Poissons et fruits de mer* | V | ... | ... | ... | *58* | *215* | *1 104* | *881* | *417* | *802* | *1 149* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Brazil** | | | | | | | | | | | |
| *Osteichthyes* | | 10 000 | 10 000 | 10 000 | 12 000 F | 14 000 F | 16 000 F | 18 000 F | 20 000 F | 26 000 | 26 500 F |
| *Oncorhynchus mykiss* | | ... | ... | ... | ... | ... | ... | ... | 600 | 800 | 800 F |
| *Macrobrachium rosenbergii* | | 400 F | 400 F | 400 F | 500 F | 600 F | 700 F | 600 F | 550 | 650 | 700 F |
| *Penaeus spp* | | 200 F | 350 F | 450 | 500 | 800 F | 1 300 F | 1 700 F | 2 000 | 2 100 | 2 100 F |
| *Mollusca* | | 100 | 123 | 130 | 130 | 130 F | 130 F | 130 F | 150 | 150 F | 150 F |
| *Fish and shellfish* | Q | *10 700 F* | *10 873 F* | *10 980 F* | *13 130 F* | *15 530 F* | *18 130 F* | *20 430 F* | *23 300 F* | *29 700 F* | *30 250 F* |
| *Poissons et fruits de mer* | V | *41 850 F* | *43 362 F* | *46 978 F* | *59 293 F* | *71 104 F* | *86 704 F* | *104 104 F* | *102 185 F* | *129 495 F* | *131 895 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Brunei Darus** | | | | | | | | | | | |
| *Aristichthys nobilis* | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Ctenopharyngodon idellus* | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Cyprinus carpio* | | ... | ... | 0 | 1 | 1 | 1 | 1 F | 1 | 1 | 1 |
| *Hypophthalmichthys molitrix* | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oreochromis mossambicus* | | | | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Oreochromis niloticus* | | | | | . | | . | | . . | 3 | 0 |
| *Clarias spp* | | | | | | | .. | .... | ... | 2 | 0 |
| *Osteichthyes* | | | | | .. | ... | 1 | 1 F | 0 | 0 | 0 |
| *Lates calcanfer* | | | | | 1 | 1 F | 0 | 0 | 0 | 8 | 26 |
| *Lutjanus spp* | | | | | | | . | | | | 2 |
| *Caranx spp* | | | | | | | | | | | 1 |
| *Osteichthyes* | | | | | . | ... | ... | ... | ... | . | 2 |
| *Macrobrachium rosenbergii* | | | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| *Penaeus monodon* | | | | . | | | | | | 2 | 4 |
| *Fish and shellfish* | Q | | | *0* | *2* | *2 F* | *2* | *2 F* | *1* | *17* | *36* |
| *Poissons et fruits de mer* | V | | | *0* | *8* | *10 F* | *19* | *20 F* | *9* | *142* | *327* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Bulgaria** | | | | | | | | | | | |
| *Cyprinus carpio* | | 12 584 | 7 633 | 8 621 | 10 024 | 9 527 | 9 200 | 6 189 | 6 125 | 6 324 | 6 210 |
| *Hypophthalmichthys molitrix* | | 950 | 1 709 | 2 127 | 959 | 960 F | 960 F | 960 F | 987 | 1 073 | 975 |
| *Oncorhynchus mykiss* | | 1 000 | 1 178 | 1 333 | 1 514 | 1 554 | 1 455 | 700 | 686 | 735 | 712 |
| *Mytilus galloprovincialis* | | 37 | 40 | 57 | 150 | 100 | - | - | - | - | - |
| *Fish and shellfish* | Q | *14 571* | *10 560* | *12 138* | *12 647* | *12 141* | *11 615* | *7 849* | *7 798* | *8 132* | *7 897* |
| *Poissons et fruits de mer* | V | *18 952* | *21 895* | *27 489* | *31 251* | *31 654* | *29 765* | *20 471* | *20 725* | *21 624* | *21 005* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Burkina Faso** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 74 | 33 F | 30 F | 26 F | 7 | 3 | 3 | 2 F | 2 F | 0 |
| *Clarias anguillaris* | | | | | | | 3 | 3 | 3 | 3 F | 0 |
| *Fish and shellfish* | Q | *74* | *33 F* | *30 F* | *26 F* | *7* | *6* | *6* | *5 F* | *5 F* | *0* |
| *Poissons et fruits de mer* | V | *110* | *48 F* | *65 F* | *78 F* | *21* | *12* | *12* | *9 F* | *9 F* | *0* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Burundi** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 2 | 2 | 21 | 25 | 24 | 25 F | 30 F | 50 | 50 F | 55 F |
| *Fish and shellfish* | Q | *2* | *2* | *21* | *25* | *24* | *25 F* | *30 F* | *50* | *50 F* | *55 F* |
| *Poissons et fruits de mer* | V | *10* | *8* | *92* | *121* | *121* | *110 F* | *90 F* | *50* | *50 F* | *66 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Cambodia** | | | | | | | | | | | |
| *Anstichthys nobilis* | | 30 F | 100 F | 70 F | 75 F | 150 F | 180 F | 180 F | 180 F | 230 F | 235 F |
| *Ctenopharyngodon idellus* | | 72 F | 200 F | 150 F | 175 F | 310 F | 378 F | 358 F | 360 F | 450 F | 474 F |
| *Cyprinus carpio* | | 303 F | 900 F | 660 F | 750 F | 1 381 F | 2 215 F | 2 156 F | 2 160 F | 2 720 F | 2 765 F |
| *Hypophthalmichthys molitrix* | | 100 F | 300 F | 220 F | 250 F | 460 F | 550 F | 540 F | 540 F | 680 F | 710 F |
| *Leptobarbus hoeveni* | | 30 F | 90 F | 66 F | 75 F | 138 F | 166 F | 162 F | 160 F | 200 F | 235 F |
| *Puntius gonionotus* | | 404 F | 1 200 F | 880 F | 1 000 F | 1 840 F | 2 265 F | 2 156 F | 2 160 F | 2 720 F | 2 765 F |
| *Oreochromis mossambicus* | | 23 F | 66 F | 42 F | 50 F | 70 F | 90 F | 110 F | 110 F | 140 F | 150 F |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oreochromis niloticus* | | 7 F | 24 F | 24 F | 25 F | 68 F | 76 F | 52 F | 50 F | 60 F | 75 F |
| *Clarias batrachus* | | 40 F | 120 F | 88 F | 100 F | 184 F | 222 F | 216 F | 220 F | 280 F | 310 F |
| *Siluroidei* | | 140 | 140 | 140 | 140 | 140 F | 140 F | 150 F | 150 F | 190 F | 200 F |
| *Fish and shellfish* | *Q* | *1 149 F* | *3 140 F* | *2 340 F* | *2 640 F* | *4 741 F* | *6 282 F* | *6 080 F* | *6 090 F* | *7 670 F* | *7 919 F* |
| *Poissons et fruits de mer* | *V* | *1 787 F* | *5 249 F* | *4 185 F* | *5 028 F* | *9 660 F* | *13 700 F* | *13 418 F* | *14 105 F* | *17 762 F* | *18 327 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Cameroon** | | | | | | | | | | | |
| *Cyprinus carpio* | | 95 | 26 | 31 | 34 | 42 | 30 F | 20 F | 10 F | 5 F | 3 |
| *Oreochromis niloticus* | | 147 | 91 | 87 | 96 | 116 | 100 F | 80 F | 60 F | 50 F | 45 |
| *Clarias gariepinus* | | 40 | 13 | 6 | 7 | 9 | 8 F | 6 F | 4 F | 2 F | 2 |
| *Fish and shellfish* | *Q* | *282* | *130* | *124* | *137* | *167* | *138 F* | *106 F* | *74 F* | *57 F* | *50* |
| *Poissons et fruits de mer* | *V* | *431* | *156* | *159* | *213* | *283* | *254 F* | *220 F* | *179 F* | *156 F* | *153* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Canada** | | | | | | | | | | | |
| *Cyprinus carpio* | | .. | ... | ... | ... | 10 | 10 | 10 F | 5 F | 5 F | 5 F |
| *Oncorhynchus kisutch* | | 64 | 66 | 304 | 704 | 2 743 | 2 021 | 1 000 F | 290 | 291 | 200 F |
| *Oncorhynchus mykiss* | | 1 368 | 1 500 F | 2 384 | 2 380 F | 2 323 | 2 509 | 2 955 | 4 660 | 5 424 | 5 670 |
| *Oncorhynchus spp* | | ... | ... | 9 | 163 | 159 | 160 F | - | - | - | - |
| *Oncorhynchus tshawytscha* | | 43 | 54 | 87 | 849 | 3 545 | 9 049 | 12 000 F | 15 550 | 16 100 | 17 900 |
| *Salmo salar* | | 222 | 349 | 682 | 1 382 | 3 453 | 5 680 | 5 500 F | 13 248 | 13 920 | 14 623 |
| *Salmo spp* | | . | . | | | 1 125 | 1 424 | 1 500 | 1 500 | 659 | 403 |
| *Salvelinus namaycush* | | - | - | - | - | - | - | - | 19 | 27 | 27 |
| *Salvelinus spp* | | - | - | - | - | - | - | - | 2 | 26 | 33 |
| *Gadus morhua* | | . | ... | ... | ... | 200 | 59 | 20 F | 20 F | 3 | 5 |
| *Thunnus thynnus* | | 50 | ... | ... | ... | ... | 0 | 0 | 0 | - | - |
| *Crassostrea gigas* | | 2 897 | 3 420 | 2 864 | 3 482 | 3 701 | 3 473 | 3 856 | 4 800 | 4 748 | 5 250 |
| *Crassostrea virginica* | | 2 200 | 2 300 | 2 300 | 2 312 | 2 212 | 2 422 | 2 442 | 1 418 | 1 359 | 1 592 |
| *Ostrea edulis* | | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Mytilus edulis* | | 876 | 909 | 2 068 | 1 754 | 2 045 | 3 380 | 3 500 | 4 046 | 4 964 | 5 175 |
| *Placopecten magellanicus* | | . | . . | | .. | ... | 20 | 10 | 12 | 8 | 14 |
| *Ruditapes philippinarum* | | | | 7 | 25 | 30 | 40 | 30 | 136 | 308 | 400 |
| *Fish and shellfish* | *Q* | *7 720* | *8 598 F* | *10 710* | *13 051 F* | *21 546* | *30 247* | *32 823 F* | *45 706* | *47 842* | *51 297* |
| *Poissons et fruits de mer* | *V* | *10 670* | *11 194 F* | *22 056* | *34 473 F* | *96 557* | *135 238* | *142 568 F* | *232 009* | *236 115* | *228 152* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Algae* | | . | . | | | 5 | 10 | 10 F | 5 F | 5 F | 5 F |
| *Other aquatic organims* | *Q* | ... | ... | ... | ... | *5* | *10* | *10 F* | *5 F* | *5 F* | *5 F* |
| *Autres organismes aquatiques* | *V* | ... | ... | ... | ... | *11* | *21* | *21 F* | *11 F* | *11 F* | *11 F* |
| *Otros organismos acuaticos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cent Af Rep** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 303 | 283 | 190 | 85 | 77 | 80 F | 100 F | 100 F | 337 | 350 F |
| *Clarias gariepinus* | | 6 | 5 | 3 | 3 | 2 | 2 F | 5 F | 5 F | 1 | 1 F |
| *Fish and shellfish* | Q | *309* | *288* | *193* | *88* | *79* | *82 F* | *105 F* | *105 F* | *338* | *351 F* |
| *Poissons et fruits de mer* | V | *427* | *583* | *560* | *295* | *267* | *259 F* | *320 F* | *320 F* | *769* | *878 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Channel Is** | | | | | | | | | | | |
| *Crassostrea spp* | | ... | ... | 15 | 25 | 13 F | 13 F | 62 | 62 F | 45 | 46 F |
| *Ruditapes decussatus* | | | | | | | . | 5 | 5 F | 5 F | 5 F |
| *Fish and shellfish* | Q | ... | ... | *15* | *25* | *13 F* | *13 F* | *67* | *67 F* | *50 F* | *51 F* |
| *Poissons et fruits de mer* | V | ... | ... | *30* | *50* | *26 F* | *26 F* | *183* | *178 F* | *148 F* | *150 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Chile** | | | | | | | | | | | |
| *Oncorhynchus kisutch* | | 109 | 500 | 1 144 | 1 821 | 4 040 | 6 930 | 13 413 | 17 954 | 22 165 | 25 150 |
| *Oncorhynchus masou* | | ... | ... | ... | ... | | ... | 29 | 105 | 68 | - |
| *Oncorhynchus mykiss* | | 386 | 619 | 1 007 | 945 | 1 267 | 2 871 | 5 481 | 8 393 | 15 515 | 22 257 |
| *Oncorhynchus tshawytscha* | | ... | ... | ... | ... | 3 | 11 | 389 | 1 059 | 667 | 859 |
| *Salmo salar* | | ... | ... | ... | 41 | 165 | 1 860 | 9 498 | 14 957 | 23 715 | 29 180 |
| *Salmo trutta* | | | | . | | . | | . | ... | 58 | - |
| *Psetta maxima maxima* | | ... | ... | ... | ... | | ... | ... | 1 F | 5 F | 34 |
| *Crassostrea gigas* | | 28 | 25 | 244 | 80 | 139 | 206 | 144 | 371 | 123 | 435 |
| *Ostrea chilensis* | | 120 | 274 | 254 | 164 | 185 | 290 | 192 | 432 | 195 | 684 |
| *Aulacomya ater* | | ... | ... | ... | ... | 3 | 2 | 29 | 78 | 66 | 97 |
| *Choromytilus chorus* | | 136 | 133 | 176 | 91 | 245 | 230 | 195 | 247 | 421 | 165 |
| *Mytilus chilensis* | | 975 | 983 | 1 606 | 1 410 | 2 227 | 2 299 | 2 103 | 2 822 | 3 352 | 2 900 |
| *Argopecten purpuratus* | | 57 | 39 | 178 | 258 | 966 | 661 | 1 182 | 1 158 | 2 112 | 4 683 |
| *Fish and shellfish* | Q | *1 811* | *2 573* | *4 609* | *4 810* | *9 240* | *15 360* | *32 655* | *47 577* | *68 462* | *86 444* |
| *Poissons et fruits de mer* | V | *4 096* | *9 281* | *19 202* | *25 581* | *48 911* | *64 521* | *153 840* | *205 100* | *268 114* | *346 052* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Gracilaria spp* | | 6 800 | 4 924 | 5 332 | 9 178 | 23 109 | 36 150 | 38 017 | 57 679 | 47 807 | 48 648 |
| *Other aquatic organisms* | Q | *6 800* | *4 924* | *5 332* | *9 178* | *23 109* | *36 150* | *38 017* | *57 679* | *47 807* | *48 648* |
| *Autres organismes aquatiques* | V | *2 720* | *1 970* | *2 133* | *3 671* | *9 244* | *14 460* | *17 488* | *27 686* | *19 123* | *19 459* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **China** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 362 200 | 475 800 | 590 300 | 627 100 | 701 500 | 628 730 | 658 205 | 680 434 | 770 352 | 901 942 |
| *Carassius carassius* | | 54 300 | 71 400 | 88 500 | 104 500 | 116 900 | 205 044 | 211 584 | 218 908 | 254 323 | 291 529 |
| *Cirrhinus mulitorella* | | 36 200 | 47 600 | 57 000 | 69 700 | 77 900 | 77 900 | 80 000 | 80 000 | 81 000 | 100 000 |
| *Ctenopharyngodon idellus* | | 271 700 | 356 900 | 422 700 | 522 600 | 584 600 | 934 537 | 1 023 199 | 1 045 962 | 1 231 845 | 1 464 945 |
| *Cyprinus carpio* | | 181 100 | 237 900 | 354 200 | 522 600 | 584 600 | 460 532 | 522 369 | 594 476 | 706 119 | 891 624 |
| *Hypophthalmichthys molitrix* | | 999 300 | 999 300 | 1 180 600 | 1 324 000 | 1 481 000 | 1 336 050 | 1 398 683 | 1 360 969 | 1 540 704 | 1 806 592 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Mylopharyngodon piceus* | | 36 200 | 47 600 | 61 100 | 104 600 | 117 100 | 38 545 | 37 469 | 35 682 | 51 807 | 65 638 |
| *Parabramis pekinensis* | | 119 000 | 119 000 | 147 600 | 174 200 | 194 900 | 144 358 | 161 615 | 153 309 | 181 516 | 218 921 |
| *Oreochromis niloticus* | | 18 100 | 23 800 | 29 500 | 34 800 | 39 000 | 89 473 | 106 071 | 119 852 | 157 233 | 191 257 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | 251 556 | 255 072 | 327 875 | 353 492 | 532 500 |
| *Osteichthyes* | | 9 358 | 13 653 | 19 036 | 29 464 | 32 671 | 33 000 F | 33 000 F | 47 182 | 58 716 | 71 672 |
| *Eriocheir sinensis* | | ... | ... | ... | ... | ... | 3 305 | 4 833 | 8 433 | 9 509 | 17 641 |
| *Penaeus chinensis* | | 19 300 | 40 664 | 82 827 | 153 272 | 199 418 | 185 890 | 184 817 | 219 571 | 206 866 | 87 856 |
| *Crustacea* | | 2 721 | 2 001 | 2 540 | 2 731 | 2 901 | 4 333 | 4 354 | 5 989 | 8 599 | 16 582 |
| *Crassostrea gigas* | | 40 688 | 50 872 | 54 994 | 65 543 | 73 954 | 73 248 | 82 354 | 87 422 | 123 008 | 168 420 |
| *Mytilidae* | | 136 582 | 128 860 | 210 657 | 312 680 | 429 675 | 470 514 | 495 895 | 498 183 | 538 895 | 509 576 |
| *Pecten yessoensis* | | 3 813 | 8 312 | 23 686 | 43 640 | 121 991 | 129 461 | 147 003 | 188 698 | 338 022 | 728 352 |
| *Anadara granosa* | | 14 907 | 16 686 | 24 173 | 33 386 | 33 986 | 38 795 | 41 320 | 42 031 | 41 588 | 55 570 |
| *Ruditapes philippinarum* | | 21 514 | 31 482 | 41 603 | 53 389 | 63 042 | 87 098 | 109 702 | 154 024 | 270 476 | 428 760 |
| *Solen spp* | | 110 006 | 125 717 | 126 175 | 133 597 | 140 673 | 138 467 | 140 326 | 165 230 | 198 598 | 222 819 |
| *Mollusca* | | 15 281 | 24 261 | 41 592 | 68 902 | 81 505 | 97 744 | 105 764 | 99 382 | 86 880 | 107 971 |
| *Fish and shellfish* | Q | *2 452 270* | *2 821 808* | *3 558 783* | *4 380 704* | *5 077 316* | *5 428 580* | *5 803 635* | *6 133 612* | *7 209 548* | *8 880 167* |
| *Poissons et fruits de mer* | V | *2 691 655* | *3 202 022* | *4 185 375* | *5 854 043* | *6 540 325* | *6 807 805* | *7 273 069* | *7 746 980* | *8 658 310* | *9 583 665* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Laminaria japonica* | | 1 503 966 | 1 523 034 | 1 220 622 | 1 073 400 | 1 298 490 | 1 637 478 | 1 465 836 | 2 139 960 | 2 964 774 | 3 610 962 |
| *Porphyra tenera* | | 100 700 | 91 970 | 84 830 | 93 170 | 92 210 | 92 550 | 52 940 | 116 480 | 158 990 | 193 230 |
| *Algae* | | 36 090 | 67 500 | 183 890 | 157 930 | 190 670 | 115 120 | 195 760 | 286 210 | 429 370 | 603 330 |
| *Other aquatic organims* | Q | *1 640 756* | *1 682 504* | *1 489 342* | *1 324 500* | *1 581 370* | *1 845 148* | *1 714 536* | *2 542 650* | *3 553 134* | *4 407 522* |
| *Autres organismes aquatiques* | V | *1 526 188* | *1 603 440* | *1 553 339* | *1 366 783* | *1 647 229* | *1 813 419* | *1 799 791* | *2 556 524* | *3 302 105* | *3 881 170* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Côte dIvoire** | | | | | | | | | | | |
| *Oreochromis aureus* | | ... | ... | ... | ... | 0 | 0 | 21 | 37 | 24 | 40 |
| *Oreochromis niloticus* | | ... | 13 F | 30 F | 35 F | 32 F | 15 F | 20 F | 20 | 20 | 35 |
| *Chrysichthys nigrodigitatus* | | 1 | 35 | 170 | 130 | 58 | 53 | 10 | 270 | 252 | 233 |
| *Chrysichthys spp* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Clarias spp* | | 10 | 12 | 13 | 69 | 80 | 100 | 50 | 30 | 10 | 4 |
| *Fish and shellfish* | Q | *11* | *60 F* | *213 F* | *234 F* | *170 F* | *168 F* | *101 F* | *357* | *306* | *312* |
| *Poissons et fruits de mer* | V | *15* | *108 F* | *527 F* | *664 F* | *447 F* | *391 F* | *247 F* | *959* | *924* | *1 232* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Colombia** | | | | | | | | | | | |
| *Cyprinus carpio* | | 5 | 5 | 5 | 8 | 12 | 40 | 50 | 80 | 50 | 60 |
| *Oreochromis niloticus* | | 210 | 300 | 300 | 498 | 800 | 1 000 | 2 040 | 3 040 | 11 050 | 11 046 |
| *Tilapia rendalli* | | ... | 2 | 2 | 2 | 2 F | 0 | 0 | 0 | 0 | 0 |
| *Brycon moorei* | | 5 | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 0 |
| *Colossoma brachypomum* | | 30 | 50 | 200 | 156 | 600 | 800 | 1 100 | 1 200 | 2 100 | 3 500 |
| *Osteichthyes* | | ... | 10 | 10 | 15 | 15 | 10 F | 5 F | 0 | 0 | 0 |
| *Prochilodus reticulatus* | | 20 | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 0 |
| *Oncorhynchus mykiss* | | 400 | 400 | 400 | 400 | 600 | 800 | 1 200 | 1 200 | 1 300 | 2 028 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tarpon atlanticus* | | | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 5 | 1 | 1 | 1 | 3 | 50 | 60 | 30 | 55 | 10 |
| *Penaeus stylirostris* | | | | | ... | ... | . . | | 672 | 932 | 733 |
| *Penaeus vannamei* | | | 810 | 1 500 | 1 500 | 3 361 | 3 000 | 6 000 | 6 045 | 8 499 | 6 594 |
| *Fish and shellfish* | Q | *675* | *1 581* | *2 421* | *2 583* | *5 393 F* | *5 700 F* | *10 455 F* | *12 267* | *23 986* | *23 971* |
| *Poissons et fruits de mer* | V | *3 867* | *6 349* | *10 039* | *16 751* | *41 268 F* | *36 701 F* | *56 425 F* | *58 842* | *117 831* | *100 470* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Congo** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 29 | 39 | 82 | 115 | 177 | 243 | 240 | 243 | 26 | 5 |
| *Fish and shellfish* | Q | *29* | *39* | *82* | *115* | *177* | *243* | *240* | *243* | *26* | *5* |
| *Poissons et fruits de mer* | V | *50* | *66* | *123* | *173* | *145* | *120* | *120* | *146* | *74* | *15* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Cook Islands** | | | | | | | | | | | |
| *Chanos chanos* | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | | *1* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Poissons et fruits de mer* | V | | *2* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Ex Pinctada spp* | | | | | | | 10 F | 100 F | 220 F | 250 F | 300 F |
| *Other aquatic organisms* | Q | | | | | . . | *10 F* | *100 F* | *220 F* | *250 F* | *300 F* |
| *Autres organismes aquatiques* | V | | | | | | *120 F* | *1 300 F* | *2 860 F* | *3 375 F* | *4 500 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Costa Rica** | | | | | | | | | | | |
| *Cyprinidae* | | 6 | 8 | 8 | 10 F | 10 F | 0 | 0 | 6 | 0 | 0 |
| *Oreochromis (=Tilapia) spp* | | 125 | 50 | 50 | 120 | 142 | 146 | 232 | 1 200 | 1 350 | 1 500 |
| *Colossoma macropomum* | | | | ... | ... | ... | | 5 | 5 | 5 | 10 |
| *Oncorhynchus mykiss* | | 50 | 25 | 25 | 30 | 35 | 33 | 24 | 27 | 28 | 30 |
| *Macrobrachium rosenbergii* | | 2 | 4 | 4 | 6 | 7 | 7 | 7 | 7 | 7 | 10 |
| *Procambarus clarkii* | | | | | . | ... | | | 200 | 200 | 200 |
| *Natantia* | | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus vannamei* | | | | ... | 163 | 200 | 220 | 300 | 525 | 650 | 700 |
| *Mollusca* | | 10 | 15 | 15 | 4 | 5 | 4 | 5 | 5 | 4 | 5 |
| *Fish and shellfish* | Q | *195* | *106* | *106* | *333 F* | *399 F* | *410* | *573* | *1 975* | *2 244* | *2 455* |
| *Poissons et fruits de mer* | V | *462* | *258* | *270* | *1 258 F* | *2 125 F* | *2 299* | *3 280* | *11 828* | *12 460* | *13 342* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Croatia** | | | | | | | | | | | |
| *Aristichthys nobilis* | | . | ... | . | ... | ... | ... | | ... | 93 | 69 |
| *Ctenopharyngodon idellus* | | .. | .. | .. | .. | .. | . | | . | 171 | 154 |
| *Cyprinus carpio* | | ... | ... | .. | ... | . | . | .. | | 5 049 | 3 160 |
| *Hypophthalmichthys molitrix* | | .. | | . | ... | .. | | .. | | 122 | 146 |
| *Tinca tinca* | | .. | | ... | | | . | | | 9 | 5 |
| *Esox lucius* | | ... | . | .. | | . | ... | . | . | 1 | 1 |
| *Osteichthyes* | | | . | . | .. | ... | | .. | | 363 | 182 |
| *Silurus glanis* | | . | ... | . | .. | | | . | . | 82 | 80 |
| *Stizostedion lucioperca* | | ... | . | .. | | | . | | . | 26 | 9 |
| *Anguilla anguilla* | | ... | . | ... | . | .. | . | . | . | 7 | 5 |
| *Oncorhynchus mykiss* | | . | .. | .. | . | | .. | .. | . | 222 | 352 |
| *Dicentrarchus spp* | | .. | ... | ... | ... | | .. | | | 383 | 174 |
| *Sparus aurata* | | . | | .. | ... | ... | .. | . | | 45 | 30 |
| *Ostrea edulis* | | ... | .. | .. | ... | .. | ... | | . | 18 | 20 |
| *Mytilus galloprovincialis* | | ... | . | .. | . | ... | | . | | 218 | 221 |
| *Fish and shellfish* | Q | .. | ... | .. | .. | ... | .. | . | | *6 809* | *4 608* |
| *Poissons et fruits de mer* | V | .. | .. | ... | ... | ... | .. | .. | | *22 878* | *12 930* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Cuba** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | 0 | 7 | 17 | 37 | 42 | 31 | 42 | 45 | 48 | 23 |
| *Cyprinus carpio* | | 252 | 239 | 140 | 198 | 395 | 469 | 516 | 434 | 331 | 135 |
| *Hypophthalmichthys molitrix* | | 235 F | 213 | 257 | 526 | 803 | 1 360 | 2 315 | 2 973 | 3 286 | 5 223 |
| *Oreochromis aureus* | | 14 042 | 14 675 | 14 942 | 15 270 | 13 268 | 15 744 | 18 663 | 16 567 | 16 960 | 11 582 |
| *Ictalurus punctatus* | | .. | . | ... | .. | 92 | 111 | 228 | 76 | 35 | 14 |
| *Ictiobus spp* | | .. | .. | ... | .. | 34 | 22 | 13 | 4 | 5 | 5 |
| *Osteichthyes* | | .. | . | .. | .. | 55 | 58 | 83 | 7 | 28 | 6 |
| *Micropterus salmoides* | | . | .. | | ... | ... | ... | ... | ... | 9 | 7 |
| *Penaeidae* | | . | .. | ... | 345 | 502 | ... | ... | .. | | |
| *Crassostrea rhizophorae* | | 1 000 F | 1 134 | 1 100 F | 1 300 | 1 134 | 1 100 F | 1 000 F | 1 000 F | 800 F | 450 F |
| *Fish and shellfish* | Q | *15 529 F* | *16 268* | *16 456 F* | *17 676* | *16 325* | *18 895 F* | *22 860 F* | *21 106 F* | *21 502 F* | *17 445 F* |
| *Poissons et fruits de mer* | V | *13 135 F* | *17 451* | *13 541 F* | *16 483* | *16 257* | *15 811 F* | *19 103 F* | *18 116 F* | *17 921 F* | *15 054 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Cyprus** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| *Oncorhynchus kisutch* | | . | ... | ... | ... | ... | 1 | 0 | 0 | 0 | 0 |
| *Oncorhynchus mykiss* | | 56 | 53 | 54 | 47 | 52 | 56 | 73 | 67 | 95 | 92 |
| *Salmo salar* | | .. | .. | ... | ... | 1 | 0 | 0 | 0 | 0 | 0 |
| *Dicentrarchus labrax* | | 1 | 1 | 1 | 0 | 3 | 10 | 15 | 15 | 29 | 33 |
| *Sparidae* | | - | - | - | - | - | - | - | - | - | 1 |
| *Sparus aurata* | | . | | | 2 | 2 | 16 F | 35 | 42 | 42 | 136 |
| *Penaeus indicus* | | - | - | - | - | - | - | - | - | - | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *60* | *56* | *57* | *50* | *59* | *84 F* | *124* | *125* | *167* | *262* |
| *Poissons et fruits de mer* | *V* | *251* | *237* | *339* | *470* | *605* | *945 F* | *1 669* | *1 764* | *2 018* | *2 903* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Czech Rep** | | | | | | | | | | | |
| *Anstichthys nobilis* | | | | | | | | | | | 265 |
| *Carassius carassius* | | | | | | | | | | | 8 |
| *Ctenopharyngodon idellus* | | | | | | | | | | | 471 |
| *Cyprinus carpio* | | | | | | | | | | | 20 626 |
| *Hypophthalmichthys molitrix* | | | | | | | . | | | | 254 |
| *Tinca tinca* | | | | | | | | | . | . | 278 |
| *Esox lucius* | | | | | | | . | | | | 210 |
| *Perca fluviatilis* | | | | | . | | . | | | | 39 |
| *Stizostedion lucioperca* | | | | | | | | | | . | 169 |
| *Oncorhynchus mykiss* | | . | | | | | . | | | . | 528 |
| *Fish and shellfish* | *Q* | | | | | | | | . | | *22 848* |
| *Poissons et fruits de mer* | *V* | | | | | | | | | . . . | *59 405* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Czechoslovak** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | . | | | | | . . | | 138 | . . | - |
| *Cyprinus carpio* | | 15 500 | 15 896 | 17 030 | 16 652 | 17 240 | 17 628 | 18 754 | 18 186 | 20 198 | - |
| *Tinca tinca* | | 322 | 482 | 378 | 419 | 428 | 466 | 374 | 322 | 318 | - |
| *Oreochromis (=Tilapia) spp* | | | | . . | . | . . . | | | 20 | | - |
| *Esox lucius* | | 345 | 309 | 375 | 357 | 343 | 342 | 274 | 244 | 255 | - |
| *Osteichthyes* | | 2 020 | 1 883 | 2 156 | 2 032 | 2 089 | 1 700 | 1 741 | 2 050 | 2 194 | - |
| *Stizostedion lucioperca* | | 254 | 188 | 183 | 183 | 222 | 174 | 148 | 148 | 181 | - |
| *Salmo spp* | | 1 047 | 1 055 | 1 112 | 1 093 | 925 | 956 | 1 035 | 653 | 989 | - |
| *Fish and shellfish* | *Q* | *19 488* | *19 813* | *21 234* | *20 736* | *21 247* | *21 266* | *22 326* | *21 761* | *24 135* | - |
| *Poissons et fruits de mer* | *V* | *49 244* | *50 061* | *53 642* | *52 388* | *53 581* | *54 121* | *56 851* | *56 880* | *63 126* | - |
| *Peces y mariscos* | | | | | | | | | | | |
| **Denmark** | | | | | | | | | | | |
| *Anguilla anguilla* | | 16 | 30 | 120 | 160 | 300 | 620 | 706 | 900 | 900 | 900 |
| *Oncorhynchus mykiss* | | 23 593 | 24 214 | 24 292 | 25 700 | 28 370 | 32 200 | 41 000 | 40 750 | 40 500 | 40 500 |
| *Salmo trutta* | | | | | . | . . | 250 | 250 | 250 | 250 | 200 |
| *Fish and shellfish* | *Q* | *23 609* | *24 244* | *24 412* | *25 860* | *28 670* | *33 070* | *41 956* | *41 900* | *41 650* | *41 600* |
| *Poissons et fruits de mer* | *V* | *52 835* | *57 705* | *76 111* | *95 340* | *104 034* | *121 386* | *153 572* | *136 532* | *135 775* | *130 670* |
| *Peces y mariscos* | | | | | | | | | | | |

# C-1 Production from aquaculture by country, by species
# Production de l'aquaculture par pays et par espèces
# Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dominica** | | | | | | | | | | | |
| *Oreochromis aureus* | | - | - | - | - | - | - | - | - | 2 | 2 F |
| *Macrobrachium rosenbergii* | | - | - | - | - | - | - | - | - | 4 | 1 |
| *Fish and shellfish* | Q | - | - | - | - | - | - | - | - | *6* | *3 F* |
| *Poissons et fruits de mer* | V | - | - | - | - | - | - | - | - | *50* | *19 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Dominican Rp** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | ... | 0 | 4 F | 40 F | 162 | 150 | 182 |
| *Hypophthalmichthys molitrix* | | - | - | - | - | - | - | - | - | - | 7 |
| *Oreochromis mossambicus* | | 0 | 2 F | 2 F | 2 F | 2 F | 18 F | 60 F | 225 | 240 | 131 |
| *Oreochromis niloticus* | | 0 | 1 F | 1 F | 1 F | 1 F | 10 F | 35 F | 130 | 139 | 76 |
| *Tilapia rendalli* | | 0 | 0 | 0 | 0 | 0 | 2 F | 5 F | 19 | 21 | 11 |
| *Anguilla rostrata* | | ... | ... | ... | ... | 1 | 1 F | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 50 | 100 | 100 | 120 | 100 | 50 | 50 F | 43 | 164 | 739 |
| *Penaeus spp* | | 0 | 90 F | 198 | 200 | 173 | 136 | 90 | 35 | 100 F | 200 |
| *Crassostrea virginica* | | ... | ... | ... | ... | ... | ... | ... | 1 | 1 F | 1 F |
| *Fish and shellfish* | Q | *50* | *193 F* | *301 F* | *323 F* | *277 F* | *221 F* | *280 F* | *615* | *815 F* | *1 347* |
| *Poissons et fruits de mer* | V | *600* | *1 970 F* | *3 187 F* | *3 847 F* | *4 195 F* | *2 790 F* | *2 261 F* | *2 181* | *5 646 F* | *10 287* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Ecuador** | | | | | | | | | | | |
| *Aequidens rivulatus* | | ... | ... | ... | ... | ... | ... | 3 | 2 | 2 | 0 |
| *Cichlasoma spp* | | ... | ... | ... | ... | ... | ... | ... | 11 | 332 | 355 |
| *Oreochromis niloticus* | | ... | ... | ... | 68 | 17 | 17 | 18 | 20 | 542 | 557 |
| *Dormitator latifrons* | | ... | ... | ... | 25 | 25 | 25 F | 25 | 35 | 597 | 2 170 |
| *Ichthyoelephas humeralis* | | ... | ... | ... | ... | ... | 0 | 1 | 11 | 7 | 17 |
| *Oncorhynchus mykiss* | | ... | ... | ... | 105 | 342 | 342 | 414 | 958 | 1 227 | 1 260 |
| *Macrobrachium rosenbergii* | | .. | ... | ... | 745 | 764 | 764 | 849 | 870 | 850 | 800 |
| *Penaeus stylirostris* | | ... | ... | ... | 7 300 | 7 450 | 7 200 | 7 640 | 10 500 | 11 300 | 8 547 |
| *Penaeus vannamei* | | 33 600 | 30 205 | 30 683 | 65 653 | 67 030 | 64 800 | 68 780 | 94 738 | 101 837 | 76 925 |
| *Pectinidae* | | ... | ... | ... | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *33 600* | *30 205* | *30 683* | *73 899* | *75 631* | *73 148* | *77 730* | *107 145* | *116 694* | *90 631* |
| *Poissons et fruits de mer* | V | *235 200* | *211 435* | *214 781* | *538 570* | *578 824* | *469 312* | *314 171* | *510 167* | *544 282* | *439 683* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Egypt** | | | | | | | | | | | |
| *Cyprinus carpio* | | 3 000 F | 5 000 F | 5 000 F | 5 000 F | 6 000 F | 6 000 F | 6 000 | 7 300 | 7 300 | 3 036 |
| *Oreochromis niloticus* | | 12 000 F | 22 346 F | 25 000 F | 25 000 F | 25 000 F | 25 000 F | 24 916 | 22 156 | 21 505 | 19 857 |
| *Clarias anguillaris* | | ... | ... | ... | ... | ... | ... | ... | 462 | 390 | 258 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 890 |
| *Dicentrarchus labrax* | | ... | ... | ... | ... | ... | ... | ... | 720 | 720 | 1 139 |
| *Sparus aurata* | | ... | ... | ... | ... | ... | ... | ... | 720 | 720 | 720 |
| *Mugil cephalus* | | ... | 1 500 F | 500 F | 1 400 F | 2 200 F | 5 500 F | 6 000 | 7 300 | 8 260 | 6 992 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 288 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *15 000 F* | *28 846 F* | *30 500 F* | *31 400 F* | *33 200 F* | *36 500 F* | *36 916* | *38 658* | *38 895* | *35 180* |
| *Poissons et fruits de mer* | *V* | *9 600 F* | *19 158 F* | *19 750 F* | *36 780 F* | *49 660 F* | *67 600 F* | *82 352* | *87 169* | *84 567* | *85 160* |
| *Peces y mariscos* | | | | | | | | | | | |
| **El Salvador** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 1 |
| *Cichlasoma managuense* | | ... | ... | ... | ... | ... | 1 | 1 | 1 | 1 | 1 |
| *Oreochromis niloticus* | | 10 | 15 | 15 | 16 | 15 | 6 | 3 | 16 | 36 | 105 |
| *Mugilidae* | | ... | 568 | 654 | 518 | 484 | 484 | 484 | 22 | 16 | 16 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | ... | ... | 298 | 369 |
| *Macrobrachium rosenbergii* | | ... | ... | ... | 1 | 0 | 1 | 4 | 7 | 8 | 9 |
| *Penaeus stylirostris* | | ... | 93 | 91 | 255 | 186 | 179 | 140 | 93 | 195 | 144 |
| *Penaeus vannamei* | | ... | ... | ... | ... | 33 | 40 | . . | ... | ... | |
| *Fish and shellfish* | *Q* | *10* | *676* | *760* | *790* | *718* | *711* | *632* | *139* | *556* | *645* |
| *Poissons et fruits de mer* | *V* | *18* | *1 720* | *1 748* | *4 384* | *2 778* | *1 679* | *1 272* | *904* | *1 701* | *2 143* |
| *Peces y manscos* | | | | | | | | | | | |
| **Estonia** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | .. | | ... | | | . | 234 | 33 |
| *Acipenseridae* | | ... | ... | ... | ... | ... | ... | ... | - | - | 8 |
| *Oncorhynchus mykiss* | | | | | | | . | .. | .. | 459 | 289 |
| *Fish and shellfish* | *Q* | ... | ... | ... | ... | . | | . | - | *693* | *330* |
| *Poissons et fruits de mer* | *V* | ... | ... | ... | ... | . | | | - | *1 199* | *997* |
| *Peces y manscos* | | | | | | | | | | | |
| **Ethiopia** | | | | | | | | | | | |
| *Carassius carassius* | | ... | ... | ... | ... | ... | 1 | 1 F | 1 F | 1 F | 1 F |
| *Cyprinidae* | | ... | ... | ... | ... | ... | 5 | 5 F | 5 F | 1 F | 2 F |
| *Oreochromis (=Tilapia) spp* | | ... | ... | ... | ... | 1 | 27 | 30 F | 30 F | 20 F | 25 F |
| *Fish and shellfish* | *Q* | ... | ... | ... | ... | *1* | *33* | *36 F* | *36 F* | *22 F* | *28 F* |
| *Poissons et fruits de mer* | *V* | ... | ... | ... | ... | *3* | *83* | *90 F* | *90 F* | *55 F* | *70 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Faeroe Is** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 396 | 680 | 1 150 | 1 330 | 1 860 | 230 | 51 | 369 | 734 | 1 067 |
| *Salmo salar* | | 117 | 940 | 1 370 | 3 193 | 3 400 | 7 901 | 13 025 | 17 914 | 18 364 | 17 628 |
| *Salmo trutta* | | .. | | . | ... | | .. | | ... | | 25 |
| *Fish and shellfish* | *Q* | *513* | *1 620* | *2 520* | *4 523* | *5 260* | *8 131* | *13 076* | *18 283* | *19 098* | *18 720* |
| *Poissons et fruits de mer* | *V* | *2 773* | *9 617* | *12 348* | *30 730* | *25 980* | *44 209* | *80 390* | *85 968* | *85 941* | *74 886* |
| *Peces y manscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fiji** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 F | 5 F | 0 |
| *Oreochromis (=Tilapia) spp* | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Oreochromis niloticus* | | 1 | 3 | 3 | 1 | 3 F | 10 | 14 | 20 | 72 | 70 F |
| *Siganus spp* | | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 |
| *Mugil cephalus* | | ... | ... | ... | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 6 | 85 |
| *Penaeus monodon* | | 3 | 4 | 7 | 8 | 8 F | 7 | 7 F | 5 F | 10 | 10 |
| *Mytilus smaragdinus* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *6* | *7* | *10* | *10* | *12 F* | *18* | *23 F* | *34 F* | *93 F* | *165 F* |
| *Poissons et fruits de mer* | V | *33* | *38* | *62* | *66* | *68 F* | *91* | *108 F* | *123 F* | *294 F* | *754 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Eucheuma spp* | | ... | 75 | 173 | 217 | 100 | 120 | 126 | 69 | 48 | 33 |
| *Other aquatic organims* | Q | ... | *75* | *173* | *217* | *100* | *120* | *126* | *69* | *48* | *33* |
| *Autres organismes aquatiques* | V | ... | *23* | *135* | *141* | *65* | *54* | *63* | *31* | *24* | *18* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Finland** | | | | | | | | | | | |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | 72 | 2 | 36 | 5 |
| *Coregonus spp* | | ... | ... | ... | ... | 5 | 0 | 0 | 0 | 0 | 0 |
| *Oncorhynchus mykiss* | | 9 493 | 10 074 | 10 913 | 12 678 | 16 236 | 18 479 | 18 321 | 19 123 | 17 788 | 17 510 |
| *Salmo salar* | | 93 | 92 | 93 | 11 | 117 | 71 | 157 | 143 | 85 | 11 |
| *Salmo trutta* | | ... | ... | ... | ... | 9 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *9 586* | *10 166* | *11 006* | *12 689* | *16 367* | *18 550* | *18 550* | *19 268* | *17 909* | *17 526* |
| *Poissons et fruits de mer* | V | *43 563* | *46 184* | *50 113* | *66 513* | *86 093* | *91 063* | *92 928* | *95 605* | *83 442* | *65 700* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Fr Guiana** | | | | | | | | | | | |
| *Macrobrachium rosenbergii* | | 2 | 15 | 36 | 71 | 63 | 89 | 83 | 83 | 80 | 80 |
| *Fish and shellfish* | Q | *2* | *15* | *36* | *71* | *63* | *89* | *83* | *83* | *80* | *80* |
| *Poissons et fruits de mer* | V | *21* | *152* | *469* | *1 064* | *636* | *579* | *581* | *581* | *544* | *560* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Fr Polynesia** | | | | | | | | | | | |
| *Lates calcarifer* | | - | - | - | - | - | - | - | - | 3 | 6 |
| *Macrobrachium rosenbergii* | | 13 | 14 | 13 | 17 | 20 | 20 | 17 | 15 | 11 | 8 |
| *Penaeus spp* | | 4 | 8 | 11 | 16 | 40 | 59 | 61 | 60 | 56 | 60 |
| *Mytilidae* | | 5 | 17 | 13 | 6 | 5 | 9 | 7 | 2 | 0 | 0 |
| *Fish and shellfish* | Q | *22* | *39* | *37* | *39* | *65* | *88* | *85* | *77* | *70* | *74* |
| *Poissons et fruits de mer* | V | *85* | *111* | *119* | *167* | *301* | *489* | *481* | *466* | *510* | *509* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Ex Pinctada spp* | | 1 000 F | 1 200 F | 1 400 F | 1 600 F | 2 000 F | 2 500 F | 3 000 F | 3 500 F | 4 500 F | 6 000 F |
| *Other aquatic organisms* | *Q* | *1 000 F* | *1 200 F* | *1 400 F* | *1 600 F* | *2 000 F* | *2 500 F* | *3 000 F* | *3 500 F* | *4 500 F* | *6 000 F* |
| *Autres organismes aquatiques* | *V* | *10 000 F* | *12 000 F* | *14 000 F* | *19 200 F* | *25 000 F* | *31 250 F* | *39 000 F* | *47 250 F* | *67 500 F* | *96 000 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| France | | | | | | | | | | | |
| *Cyprinus carpio* | | 2 000 | 3 270 | 4 370 | 4 000 | 4 335 | 4 500 | 4 500 | 4 500 | 5 000 | 5 000 |
| *Rutilus spp* | | ... | 370 | 1 870 | 2 000 | 2 200 | 2 500 | 2 500 | 2 500 | 2 500 | 2 500 |
| *Tinca tinca* | | ... | 450 | 1 170 | 1 000 | 1 200 | 120 | 120 | 120 | - | - |
| *Esox lucius* | | ... | 180 | 390 | 400 | 440 | 450 | 450 | 450 | 500 | 500 |
| *Silurus glanis* | | ... | ... | 60 | 5 | 5 | 10 | 10 | 50 | 120 | 150 |
| *Stizostedion lucioperca* | | ... | ... | ... | ... | ... | ... | ... | ... | 400 | 400 |
| *Acipenseridae* | | ... | ... | 10 | 10 | 10 | 10 | 10 | 10 | 20 | 140 |
| *Anguilla anguilla* | | 30 | 60 | 237 | 400 | 770 | 810 | 810 | 810 | 800 | 810 |
| *Oncorhynchus kisutch* | | 50 | 270 | 280 | 280 | 885 | 1 085 | 580 F | 17 | ... | ... |
| *Oncorhynchus mykiss* | | 24 750 | 24 662 | 29 095 | 30 645 | 30 925 | 30 820 | 36 910 | 37 900 | 41 380 | 45 800 F |
| *Salmo salar* | | ... | ... | ... | ... | ... | ... | ... | 350 | 350 | 350 |
| *Salmo trutta* | | 100 F | 300 F | 500 F | 500 F | 800 F | 1 000 | 1 000 | 1 200 | 1 300 | 1 300 |
| *Salvelinus alpinus* | | ... | ... | ... | ... | ... | ... | ... | 15 | 60 | 60 |
| *Salvelinus fontinalis* | | ... | ... | 350 | 350 | 350 | 350 | 500 | 250 | 300 | 300 |
| *Psetta maxima maxima* | | 5 | 15 | 10 | 15 | 15 | 15 | 15 F | 100 F | 100 F | 100 F |
| *Dicentrarchus labrax* | | ... | 70 | 90 | 140 | 145 | 250 F | 300 F | 300 F | 250 F | 250 F |
| *Sparus aurata* | | 5 | 15 | 10 | 10 | 170 | 20 F | 30 F | 30 F | 50 F | 50 F |
| *Astacus spp, Cambarus spp* | | 5 | 3 | 5 | 13 | 14 | 5 | 5 | 5 | 10 | 20 |
| *Penaeus japonicus* | | ... | 3 | 11 | 13 | 14 | 0 | 6 | 0 | 0 | 0 |
| *Littorina spp* | | ... | ... | ... | ... | ... | 800 F | 800 F | 1 003 | 807 | 800 F |
| *Crassostrea angulata* | | 4 166 | 4 659 | 5 919 | 5 243 | 5 211 | 9 589 | 10 664 | 13 149 | 13 134 | 15 000 |
| *Crassostrea gigas* | | 106 267 | 135 595 | 138 292 | 127 987 | 127 745 | 119 411 | 131 456 | 116 265 | 119 447 | 123 000 |
| *Ostrea edulis* | | 2 269 | 1 467 | 2 390 | 2 374 | 1 975 | 1 500 | 2 077 | 1 469 | 1 766 | 2 000 |
| *Mytilus edulis* | | 49 289 | 49 073 | 52 959 | 52 312 | 45 762 | 34 296 | 46 642 | 45 783 | 47 423 | 55 000 |
| *Mytilus galloprovincialis* | | 3 523 | 5 795 | 5 043 | 3 391 | 3 873 | 15 704 | 15 118 | 16 100 | 11 775 | 15 000 |
| *Cardium edule* | | ... | ... | ... | ... | ... | 1 300 F | 1 494 F | 1 635 | 1 636 | 1 700 F |
| *Ruditapes decussatus* | | ... | 400 | 400 | 450 | 450 | 284 | 400 | 432 | 224 | 250 F |
| *Ruditapes philippinarum* | | 150 | 200 | 400 | 560 | 450 | 284 | 400 | 400 | 400 | 400 |
| *Fish and shellfish* | *Q* | *192 609* | *226 857* | *243 861* | *232 098* | *227 744* | *225 113* | *256 797* | *244 843* | *249 752* | *270 880 F* |
| *Poissons et fruits de mer* | *V* | *226 880* | *257 050* | *455 099* | *488 554* | *483 432* | *460 366* | *529 690* | *499 201* | *560 019* | *527 749 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Undaria spp* | | ... | 6 | 0 | 6 F | 10 F | 43 F | 6 F | 53 F | 52 F | 50 F |
| *Other aquatic organisms* | *Q* | ... | *6* | *0* | *6 F* | *10 F* | *43 F* | *6 F* | *53 F* | *52 F* | *50 F* |
| *Autres organismes aquatiques* | *V* | ... | *5* | *0* | *5 F* | *8 F* | *34 F* | *5 F* | *42 F* | *47 F* | *40 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Gabon** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 2 | 2 | 3 | 3 | 2 | 2 F | 2 F | 3 F | 5 F | 5 F |
| *Fish and shellfish* | Q | *2* | *2* | *3* | *3* | *2* | *2 F* | *2 F* | *3 F* | *5 F* | *5 F* |
| *Poissons et fruits de mer* | V | *3* | *3* | *7* | *12* | *8* | *8 F* | *8 F* | *11 F* | *15 F* | *15 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Gambia** | | | | | | | | | | | |
| *Penaeus spp* | | | | | | | 53 | 60 | | | |
| *Fish and shellfish* | Q | | | | | | *53* | *60* | | | |
| *Poissons et fruits de mer* | V | | . | . . | | | *318* | *468* | | | |
| *Peces y mariscos* | | | | | | | | | | | |
| **Georgia** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | | | | | 850 F | 800 F |
| *Hypophthalmichthys molitrix* | | | | | | | . | | | 40 F | 40 F |
| *Oncorhynchus mykiss* | | . | | | | | . | | | 10 F | 10 F |
| *Fish and shellfish* | Q | | . | . | | | . | | | *900 F* | *850 F* |
| *Poissons et fruits de mer* | V | | . . | . | | | . | . | | *2 275 F* | *2 150 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Germany** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 72 | 64 | 133 | 93 | 118 | 161 | 24 | 20 | 24 | 35 |
| *Ctenopharyngodon idellus* | | 35 | 52 | 72 | 81 | 64 | 44 | 22 | 20 | 22 | 29 |
| *Cyprinus carpio* | | 18 667 | 19 739 | 19 021 | 18 211 | 19 360 | 21 331 | 19 145 | 17 350 | 13 300 | 12 700 |
| *Hypophthalmichthys molitrix* | | 81 | 112 | 141 | 282 | 413 | 791 | 220 | 190 | 220 | 230 |
| *Tinca tinca* | | . . . | . . . | 20 | 50 | 60 | 69 | 69 | 70 | 69 | 70 |
| *Oncorhynchus mykiss* | | 17 714 | 15 589 | 18 879 | 20 023 | 20 070 | 23 080 | 22 220 | 20 970 | 23 233 | 23 010 |
| *Salmo trutta* | | 1 905 | 1 670 | 2 020 | 2 138 | 2 143 | 2 500 | 2 406 | 2 330 | 2 580 | 2 540 |
| *Psetta maxima maxima* | | . . . | . . . | . . . | . . . | . . . | 1 | 1 | 1 F | 0 | 0 |
| *Crassostrea gigas* | | . . . | . . . | 10 | 24 | 52 | 85 | 91 | 90 | 106 | 84 |
| *Mytilus edulis* | | 53 000 | 20 818 | 29 939 | 25 926 | 29 725 | 18 556 | 20 237 | 29 977 | 50 795 | 24 666 |
| *Fish and shellfish* | Q | *91 474* | *58 044* | *70 235* | *66 828* | *72 005* | *66 618* | *64 435* | *71 018* | *90 349* | *63 364* |
| *Poissons et fruits de mer* | V | *140 446* | *115 227* | *130 666* | *130 248* | *136 391* | *153 483* | *154 144* | *154 518* | *202 912* | *162 513* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Ghana** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 390 | 321 | 225 | 270 | 297 | 250 F | 280 F | 300 F | 300 F | 300 F |
| *Clarias gariepinus* | | 60 | 36 | 134 | 116 | 130 | 80 F | 80 F | 110 F | 130 F | 165 F |
| *Fish and shellfish* | Q | *450* | *357* | *359* | *386* | *427* | *330 F* | *360 F* | *410 F* | *430 F* | *465 F* |
| *Poissons et fruits de mer* | V | *450* | *357* | *426* | *392* | *462* | *345 F* | *400 F* | *648 F* | *684 F* | *780 F* |
| *Peces y manscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Greece** | | | | | | | | | | | |
| *Cyprinus carpio* | | 300 | 100 | 130 | 270 | 300 | 300 | 250 | 221 | 218 | 144 |
| *Osteichthyes* | | ... | 10 F | 10 F | 49 | 78 | 78 | 80 | 73 | 63 | 89 |
| *Anguilla anguilla* | | ... | ... | 6 | 4 | 10 | 54 | 81 F | 94 | 145 | 337 |
| *Oncorhynchus kisutch* | | ... | ... | ... | 3 | 11 | 19 | 12 | 33 | 20 | 30 |
| *Salmo spp* | | 2 000 | 2 000 | 1 800 | 1 900 | 2 250 | 2 000 | 1 900 | 1 697 | 2 300 | 1 884 |
| *Dicentrarchus labrax* | | ... | ... | 90 | 70 F | 110 F | 300 | 1 952 | 2 530 | 5 043 | 7 345 |
| *Pagrus pagrus* | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 37 |
| *Sparus aurata* | | ... | ... | ... | 65 F | 220 F | 490 | 1 598 | 2 069 | 4 126 | 6 012 |
| *Mytilus galloprovincialis* | | 200 F | 200 | 230 | 380 | 1 100 | 1 500 | 3 800 | 5 898 | 8 391 | 16 700 |
| *Rana spp* | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Fish and shellfish* | Q | *2 500 F* | *2 310 F* | *2 266 F* | *2 741 F* | *4 079 F* | *4 741* | *9 673* | *12 615* | *20 306* | *32 578* |
| *Poissons et fruits de mer* | V | *6 666 F* | *6 356 F* | *4 655 F* | *6 754 F* | *12 893 F* | *20 152* | *63 603* | *94 970* | *177 197* | *191 004* |
| *Peces y manscos* | | | | | | | | | | | |
| **Guadeloupe** | | | | | | | | | | | |
| *Macrobrachium rosenbergii* | | 40 | 31 | 35 F | 40 F | 42 | 44 | 42 | 44 | 35 | 40 |
| *Fish and shellfish* | Q | *40* | *31* | *35 F* | *40 F* | *42* | *44* | *42* | *44* | *35* | *40* |
| *Poissons et fruits de mer* | V | *800* | *682* | *840 F* | *1 000 F* | *1 131* | *880* | *1 005* | *968* | *770* | *800* |
| *Peces y manscos* | | | | | | | | | | | |
| **Guam** | | | | | | | | | | | |
| *Cyprinus carpio* | | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| *Oreochromis mossambicus* | | 30 | 66 | 102 | 125 | 133 | 132 | 128 | 123 | 138 | 149 |
| *Clarias batrachus* | | 0 | 4 | 6 | 8 | 3 | 10 | 26 | 16 | 14 | 16 |
| *Chanos chanos* | | 14 | 14 | 34 | 47 | 62 | 68 | 58 | 35 | 25 | 25 |
| *Mugilidae* | | - | - | - | - | - | - | 0 | 1 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus spp* | | - | - | - | - | - | - | 0 | 1 | 10 | 20 |
| *Fish and shellfish* | Q | *47* | *85* | *142* | *180* | *198* | *210* | *212* | *176* | *187* | *211* |
| *Poissons et fruits de mer* | V | *89* | *139* | *236* | *427* | *497* | *535* | *649* | *565* | *630* | *733* |
| *Peces y manscos* | | | | | | | | | | | |
| **Guatemala** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | 0 | 4 | 5 | 5 | 5 | 6 | 33 | 19 | 17 |
| *Cichlasoma maculicaudum* | | ... | ... | ... | ... | ... | 6 F | 6 F | 9 | 16 | 18 |
| *Cichlasoma managuense* | | ... | ... | ... | ... | ... | 5 F | 5 F | 5 | 9 | 10 |
| *Oreochromis (=Tilapia) spp* | | 35 | 70 | 70 | 103 | 120 | 150 | 150 | 187 | 260 | 331 |
| *Macrobrachium rosenbergii* | | ... | 5 | 4 | 12 | 10 F | 8 F | 10 F | 7 | 35 | 32 |
| *Penaeus stylirostris* | | ... | ... | ... | ... | 78 | 65 F | 50 F | 0 | 0 | 0 |
| *Penaeus vannamei* | | 26 | 384 | 450 | 531 | 707 | 539 | 727 | 590 | 620 | 647 |
| *Mollusca* | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *61* | *459* | *528* | *651* | *920* | *778 F* | *954 F* | *831* | *961* | *1 058* |
| *Poissons et fruits de mer* | *V* | *288* | *2 949* | *3 451* | *3 664* | *5 328* | *4 227 F* | *4 991 F* | *3 393* | *4 315* | *4 886* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Guinea** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Clarias gariepinus* | | 1 | 1 | 1 | 1 | 1 | 1 F | 1 F | 1 F | 5 F | 5 F |
| *Fish and shellfish* | *Q* | *3* | *3* | *2* | *2* | *1* | *1 F* | *1 F* | *1 F* | *5 F* | *5 F* |
| *Poissons et fruits de mer* | *V* | *11* | *11* | *5* | *6* | *5* | *5 F* | *5 F* | *4 F* | *21 F* | *20 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Guyana** | | | | | | | | | | | |
| *Oreochromis mossambicus* | | 14 | 12 | 11 | 13 | 13 F | 15 | 15 F | 15 F | 15 F | 14 F |
| *Hoplosternum littorale* | | . | .. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Xiphopenaeus kroyeri* | | 3 | 15 F | 53 | 36 | 40 F | 45 F | 45 F | 50 F | 45 F | 45 F |
| *Fish and shellfish* | *Q* | *17* | *27 F* | *65* | *49* | *53 F* | *60 F* | *60 F* | *65 F* | *60 F* | *59 F* |
| *Poissons et fruits de mer* | *V* | *37* | *69 F* | *220* | *152* | *166 F* | *192 F* | *192 F* | *233 F* | *215 F* | *212 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Honduras** | | | | | | | | | | | |
| *Hypophthalmichthys molitnx* | | .. | .. | ... | ... | 2 | 104 | 4 | 10 | 18 | 10 |
| *Oreochromis niloticus* | | 0 | 35 | 50 | 81 | 110 | 211 | 120 | 119 | 173 | 184 |
| *Colossoma macropomum* | | ... | .. | ... | ... | 1 | 0 | 3 | 9 | 10 | 17 |
| *Osteichthyes* | | 2 | 136 | 136 | 189 | 3 | 3 F | 5 F | 5 F | 6 F | 6 F |
| *Macrobrachium rosenbergii* | | 27 | 18 | 7 | 10 F | 5 F | 0 | 0 | 0 | 0 | 0 |
| *Penaeus spp* | | 552 | 276 | 792 | 1 769 | 2 724 | 3 000 F | 3 269 | 4 032 | 5 500 | 8 124 |
| *Fish and shellfish* | *Q* | *581* | *465* | *985* | *2 049* | *2 845* | *3 318* | *3 401* | *4 175* | *5 707* | *8 341* |
| *Poissons et fruits de mer* | *V* | *3 002* | *1 799* | *4 894* | *11 912* | *18 563* | *19 075* | *35 279* | *58 640* | *98 374* | *157 077* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Hong Kong** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 1 365 | 1 275 | 1 150 | 1 300 | 1 290 | 1 130 | 1 220 | 1 180 | 1 100 | 825 |
| *Ctenopharyngodon idellus* | | 1 040 | 705 | 860 | 900 | 910 | 850 | 860 | 830 | 770 | 904 |
| *Cyprinus carpio* | | 650 | 980 | 920 | 1 140 | 1 090 | 950 | 920 | 880 | 840 | 827 |
| *Hypophthalmichthys molitrix* | | 845 | 640 | 570 | 550 | 590 | 450 | 490 | 470 | 410 | 626 |
| *Oreochromis niloticus* | | 2 080 | 1 500 | 1 435 | 1 700 | 1 690 | 1 410 | 1 195 | 1 150 | 980 | 168 |
| *Channa (Ophicephalus) spp* | | 65 | 200 | 128 | 200 | 300 | 270 | 310 | 300 | 300 | 800 |
| *Clarias fuscus* | | 130 | 100 | 110 | 160 | 140 | 110 | 120 | 110 | 110 | 241 |
| *Osteichthyes* | | ... | .. | ... | ... | ... | . | 410 | 400 | 370 | 691 |
| *Lates calcarifer* | | 100 F | 67 | 105 | 34 | 23 | 170 | 167 | 224 | 187 | 211 |
| *Epinephelus akaara* | | 130 F | 135 | 210 | 401 | 164 | 150 | 166 | 38 | 10 | 30 |
| *Epinephelus areolatus* | | . | | ... | ... | ... | | | .. | ... | 512 |
| *Epinephelus tauvina* | | 100 F | 108 | 126 | 353 | 246 | 160 | 199 | 227 | 45 | 90 |
| *Lutjanus argentimaculatus* | | | | | | | | | | | 572 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Pagrus major* | | 200 F | 202 | 336 | 235 | 20 | 60 | 80 | 27 | 0 | 0 |
| *Rhabdosargus sarba* | | 200 F | 202 | 336 | 754 | 1 529 | 950 | 830 | 1 207 | 1 253 | 963 |
| *Mugil cephalus* | | 325 | 400 | 570 | 550 | 634 | 610 | 605 | 580 | 520 | 674 |
| *Trachinotus blochii* | | | .. | | | | | . | ... | | 331 |
| *Osteichthyes* | | 550 F | 875 | 985 | 1 093 | 1 299 | 1 529 | 1 879 | 2 361 | 1 905 | 301 |
| *Crassostrea gigas* | | 576 | 512 | 1 280 | 1 066 | 853 | 730 | 805 | 640 | 533 | 533 |
| *Fish and shellfish* | Q | *8 356 F* | *7 901* | *9 121* | *10 436* | *10 778* | *9 529* | *10 256* | *10 624* | *9 333* | *9 299* |
| *Poissons et fruits de mer* | V | *23 216 F* | *21 781* | *26 559* | *36 537* | *39 788* | *36 665* | *36 892* | *43 628* | *37 632* | *53 082* |
| *Peces y manscos* | | | | | | | | | | | |
| **Hungary** | | | | | | | | | | | |
| *Anstichthys nobilis* | | | 2 543 | 2 520 | 1 877 | 1 642 | 2 051 | 465 | 434 | 821 | 289 |
| *Ctenopharyngodon idellus* | | | 349 | 482 | 422 | 383 | 343 | 406 | 369 | 450 | 316 |
| *Cyprinus carpio* | | 16 272 | 10 113 | 9 713 | 11 406 | 12 542 | 15 029 | 13 192 | 10 500 | 10 124 | 6 870 |
| *Hypophthalmichthys molitrix* | | | 4 350 | 3 207 | 3 674 | 2 961 | 2 582 | 2 990 | 2 794 | 2 602 | 1 830 |
| *Tinca tinca* | | | | 13 | ... | 13 | 7 | 3 | 4 | 6 | 0 |
| *Esox lucius* | | | | ... | ... | ... | ... | 24 | 9 | 9 | 9 |
| *Osteichthyes* | | | 636 | 691 | 98 | 139 | 189 | 145 | 129 | 78 | 70 |
| *Silurus glanis* | | 10 | 80 | 85 | 69 | 98 | 97 | 90 | 97 | 82 | 90 |
| *Stizostedion lucioperca* | | | 7 | 20 | 18 | 27 | 26 | 28 | 16 | 21 | 15 |
| *Anguilla anguilla* | | | | ... | 115 | 90 | 39 | 98 | 73 | 33 | 20 |
| *Oncorhynchus mykiss* | | 191 | 237 | 266 | 269 | 228 | 185 | 159 | 9 | 4 | 3 |
| *Fish and shellfish* | Q | *16 473* | *18 315* | *16 997* | *17 948* | *18 123* | *20 548* | *17 600* | *14 434* | *14 230* | *9 512* |
| *Poissons et fruits de mer* | V | *15 603* | *14 041* | *14 479* | *22 763* | *22 690* | *22 190* | *23 201* | *16 054* | *16 316* | *15 263* |
| *Peces y manscos* | | | | | | | | | | | |
| **Iceland** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 30 | 12 | 150 | 139 | 136 | 150 | 24 | 65 | 73 | 221 |
| *Salmo salar* | | 107 | 91 | 123 | 490 | 1 053 | 1 480 | 2 716 | 2 566 | 2 125 | 2 348 |
| *Salmo trutta* | | | | | 11 | 10 | 37 | 20 | 25 | 5 | 5 |
| *Salvelinus alpinus* | | | | | 3 | 10 | 10 | 69 | 217 | 321 | 340 |
| *Gadus morhua* | | - | - | - | - | - | - | - | - | - | 3 |
| *Fish and shellfish* | Q | *137* | *103* | *273* | *643* | *1 209* | *1 677* | *2 829* | *2 873* | *2 524* | *2 917* |
| *Poissons et fruits de mer* | V | *786* | *628* | *1 294* | *3 768* | *7 465* | *8 767* | *14 943* | *17 698* | *15 852* | *13 886* |
| *Peces y manscos* | | | | | | | | | | | |
| **India** | | | | | | | | | | | |
| *Catla catla* | | 129 000 F | 142 000 F | 155 000 F | 181 000 F | 207 000 F | 233 000 F | 234 000 | 289 925 | 299 803 | 306 460 F |
| *Cirrhinus mrigala* | | 88 000 F | 97 000 F | 106 000 F | 123 000 F | 141 000 F | 158 000 F | 158 598 | 187 560 | 293 182 | 299 690 F |
| *Cyprinidae* | | 152 000 F | 167 000 F | 182 000 F | 213 000 F | 243 000 F | 274 000 F | 274 810 | 348 436 | 352 140 | 370 000 F |
| *Labeo rohita* | | 131 000 F | 144 000 F | 157 000 F | 183 000 F | 209 000 F | 235 000 F | 235 559 | 288 096 | 301 816 | 308 530 F |
| *Anabas testudineus* | | | 35 000 F | 36 000 F | 36 500 F | 36 500 F | 38 000 F | 39 260 | 34 912 | 50 323 | 50 000 F |
| *Clarias spp* | | | 35 000 F | 36 000 F | 36 500 F | 36 500 F | 38 000 F | 39 260 | 34 912 | 50 323 | 50 000 F |
| *Oncorhynchus mykiss* | | | 250 F | 260 F | 310 F | 330 F | 350 F | 451 | 1 224 | 602 | 900 F |
| *Macrobrachium rosenbergii* | | | | | | | 150 | 198 | 196 | 2 000 | 3 835 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Penaeus spp* | | 10 000 F | 13 000 F | 14 000 F | 15 000 F | 20 000 F | 28 000 F | 29 985 | 35 500 | 40 000 | 47 000 |
| *Mollusca* | | 1 500 F | 1 000 F | 1 000 F | 1 200 F | 1 000 F | 1 000 F | 1 000 F | 2 000 F | 1 500 F | 2 500 F |
| *Fish and shellfish* | *Q* | *511 500 F* | *634 250 F* | *687 260 F* | *789 510 F* | *894 330 F* | *1 005 500 F* | *1 013 121* | *1 222 761* | *1 391 689* | *1 438 915 F* |
| *Poissons et fruits de mer* | *V* | *355 750 F* | *561 834 F* | *664 723 F* | *827 574 F* | *1 024 064 F* | *1 257 311 F* | *1 600 784* | *1 438 577* | *1 564 357* | *1 640 139 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Indonesia** | | | | | | | | | | | |
| *Cyprinus carpio* | | 50 297 | 51 550 | 68 130 | 87 836 | 85 000 F | 88 000 F | 89 249 | 84 364 | 93 508 | 97 300 |
| *Osteochilus hasselti* | | 10 278 | 9 590 | 16 210 | 16 397 | 10 648 | 15 000 F | 14 428 | 9 717 | 10 397 | 11 500 |
| *Puntius javanicus* | | 20 355 | 23 120 | 22 877 | 20 092 | 20 800 F | 21 000 F | 28 048 | 19 867 | 21 145 | 22 500 |
| *Oreochromis mossambicus* | | 23 197 | 35 410 | 15 487 | 25 228 | 34 000 F | 27 000 F | 41 683 | 41 131 | 44 941 | 48 400 |
| *Oreochromis niloticus* | | 6 793 | 6 920 | 8 524 | 9 831 | 10 750 | 11 000 F | 12 085 | 13 156 | 15 004 | 16 000 |
| *Clarias spp* | | 692 | 694 | 886 | 1 947 | 2 500 | 4 000 F | 3 739 | 4 910 | 6 330 | 7 100 |
| *Helostoma temminckii* | | 4 493 | 3 500 | 4 988 | 5 420 | 5 500 F | 5 500 F | 5 639 | 4 980 | 4 979 | 5 000 |
| *Osphronemus goramy* | | 3 178 | 3 050 | 3 938 | 4 495 | 4 623 | 5 363 | 3 970 | 3 795 | 4 640 | 4 860 |
| *Osteichthyes* | | 28 342 | 32 350 | 39 365 | 31 730 | 32 000 F | 33 000 F | 45 777 | 42 291 | 44 643 | 46 000 |
| *Trichogaster pectoralis* | | 1 281 | 1 410 | 1 414 | 1 946 | 2 000 F | 2 000 F | 2 464 | 2 039 | 2 760 | 2 800 |
| *Anguilla spp* | | 5 | 10 | 8 | 24 | 30 F | 10 F | 1 211 | 316 | 93 | 121 |
| *Chanos chanos* | | 84 365 | 86 430 | 103 588 | 105 947 | 118 001 | 119 339 | 132 432 | 141 024 | 147 032 | 160 000 |
| *Lates calcarifer* | | 733 | 813 | 798 | 1 384 | 1 356 | 2 645 | 2 267 | 1 539 | 1 916 | 2 500 |
| *Mugilidae* | | 4 346 | 3 902 | 4 283 | 4 770 | 6 927 | 7 048 | 7 415 | 7 032 | 8 685 | 10 000 |
| *Portunus spp* | | 2 | 23 | 21 | 8 | 10 | 9 | 11 | 70 | - | - |
| *Scylla serrata* | | 314 | 315 | 758 | 691 | 1 222 | 1 790 | 2 111 | 1 145 | 2 605 | 4 000 |
| *Acetes japonicus* | | 104 | 100 | 929 | 3 014 | 2 500 F | 1 900 F | 1 389 | 3 735 | 104 | |
| *Metapenaeus spp* | | 12 250 | 12 330 | 11 889 | 13 784 | 14 980 | 15 032 | 20 961 | 20 248 | 21 449 | 24 000 |
| *Penaeus merguiensis* | | 9 421 | 12 001 | 13 575 | 16 981 | 17 793 | 18 520 | 17 590 | 19 337 | 21 779 | 25 000 |
| *Penaeus monodon* | | 10 318 | 12 000 | 15 424 | 25 202 | 44 450 | 63 676 | 67 355 | 96 811 | 98 358 | 105 000 |
| *Fish and shellfish* | *Q* | *270 764* | *295 518* | *333 092* | *376 727* | *415 090 F* | *441 832 F* | *499 824* | *517 507* | *550 368* | *592 081* |
| *Poissons et fruits de mer* | *V* | *264 924* | *376 394* | *498 529* | *688 726* | *943 297 F* | *1 331 050 F* | *1 477 273* | *1 713 175* | *1 812 355* | *1 948 175* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Rhodophyceae* | | 60 000 F | 58 217 | 77 462 | 80 000 F | 85 000 F | 80 000 F | 100 000 F | 90 000 F | 95 000 F | 100 000 F |
| *Other aquatic organims* | *Q* | *60 000 F* | *58 217* | *77 462* | *80 000 F* | *85 000 F* | *80 000 F* | *100 000 F* | *90 000 F* | *95 000 F* | *100 000 F* |
| *Autres organismes aquatiques* | *V* | *1 800 F* | *1 843* | *2 324* | *4 000 F* | *4 250 F* | *4 000 F* | *5 000 F* | *9 000 F* | *10 450 F* | *11 000 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Iran I R** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 600 F | 649 F | 928 F | 1 221 F | 1 500 F | 1 500 F | 1 808 | 983 | 1 666 | 1 052 |
| *Ctenopharyngodon idellus* | | 4 000 F | 3 000 F | 4 200 F | 5 300 F | 6 500 F | 6 500 F | 8 387 | 3 143 | 6 455 | 3 155 |
| *Cyprinus carpio* | | 7 269 | 7 687 | 7 872 | 9 479 | 9 500 F | 11 000 F | 15 239 | 5 502 | 14 783 | 4 206 |
| *Hypophthalmichthys molitrix* | | 6 000 F | 5 700 F | 7 000 F | 8 000 F | 10 500 F | 11 000 F | 15 490 | 10 019 | 16 242 | 12 619 |
| *Osteichthyes* | | . . | | | | . . . | . . . | 3 317 | | 2 499 | . . . |
| *Oncorhynchus mykiss* | | 500 | 740 | 930 | 820 | 900 F | 1 000 | 893 | 579 | 775 | 835 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *18 369 F* | *17 776 F* | *20 930 F* | *24 820 F* | *28 900 F* | *31 000 F* | *45 134* | *20 226* | *42 420* | *21 867* |
| *Poissons et fruits de mer* | *V* | *36 988 F* | *62 217 F* | *94 650 F* | *164 201 F* | *251 500 F* | *299 000 F* | *446 876* | *208 298* | *424 534* | *203 083* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Iraq** | | | | | | | | | | | |
| *Cyprinus carpio* | | 4 476 | 4 500 F | 4 564 | 4 500 F | 5 000 | 5 000 F | 4 000 F | 3 000 F | 1 562 | 1 600 F |
| *Osteichthyes* | | | | | | 2 084 | 2 500 F | 4 000 F | 5 000 F | 13 580 | 13 000 F |
| *Fish and shellfish* | *Q* | *4 476* | *4 500 F* | *4 564* | *4 500 F* | *7 084* | *7 500 F* | *8 000 F* | *8 000 F* | *15 142* | *14 600 F* |
| *Poissons et fruits de mer* | *V* | *43 197* | *43 428 F* | *44 046* | *43 428 F* | *85 178* | *75 000 F* | *80 000 F* | *80 000 F* | *137 840* | *146 000 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Ireland** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 712 | 589 | 563 | 920 | 1 180 | 1 100 | 1 084 | 1 285 | 1 130 | 1 583 |
| *Salmo salar* | | 385 | 700 | 1 215 | 2 300 | 4 075 | 5 500 | 6 323 | 9 300 | 9 700 | 12 366 |
| *Crassostrea gigas* | | 110 | 101 | 120 | 104 | 150 | 200 | 361 | 1 300 | 1 726 | 1 500 |
| *Ostrea edulis* | | 398 | 216 | 100 | 160 | 220 F | 300 F | 430 F | 450 F | 374 | 280 |
| *Mytilus edulis* | | 13 717 | 10 358 | 10 884 | 14 892 | 12 648 | 13 560 | 15 278 | 19 316 | 13 403 | 17 752 |
| *Ruditapes decussatus* | | | | | | | | | | 79 | 110 |
| *Mollusca* | | | | | | | | 100 | 50 | 76 | |
| *Fish and shellfish* | *Q* | *15 322* | *11 964* | *12 882* | *18 376* | *18 273* | *20 660* | *23 576* | *31 701* | *26 488* | *33 591* |
| *Poissons et fruits de mer* | *V* | *9 867* | *9 878* | *12 721* | *22 441* | *37 536* | *39 230* | *51 654* | *71 464* | *74 296* | *92 226* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Israel** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | 28 | 31 | 26 | 36 | 44 | 18 | 0 | 0 | 0 | 11 |
| *Cyprinus carpio* | | 6 857 | 6 892 | 7 590 | 8 215 | 8 673 | 8 074 | 7 902 | 7 674 | 7 555 | 7 275 |
| *Hypophthalmichthys molitrix* | | 661 | 837 | 795 | 781 | 689 | 671 | 572 | 286 | 365 | 545 |
| *Oreochromis (=Tilapia) spp* | | 3 093 | 4 114 | 3 238 | 4 025 | 4 536 | 4 447 | 4 795 | 5 684 | 3 368 | 4 230 |
| *Oncorhynchus mykiss* | | 136 | 262 | 123 | 364 | 382 | 360 | 480 | 424 | 380 | 490 |
| *Sparus aurata* | | | | 30 | 45 | 60 | 80 | 84 F | 71 F | 54 | 155 |
| *Mugil cephalus* | | 702 | 793 | 469 | 558 | 748 | 940 | 802 | 960 | 684 | 895 |
| *Macrobrachium rosenbergii* | | 25 | 25 | 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| *Fish and shellfish* | *Q* | *11 502* | *12 954* | *12 289* | *14 027* | *15 135* | *14 593* | *14 638* | *15 102* | *12 409* | *13 604* |
| *Poissons et fruits de mer* | *V* | *19 426* | *20 363* | *24 185* | *27 600* | *30 430* | *33 285* | *39 819* | *40 390* | *33 210* | *37 793* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Italy** | | | | | | | | | | | |
| *Cyprinus carpio* | | 700 | 800 | 800 | 500 | 500 | 375 F | 375 | 375 | 350 | 350 |
| *Ictalurus melas* | | 1 500 | 1 500 | 1 500 | 1 500 | 1 500 | 1 800 | 1 600 | 1 800 | 1 766 | 1 750 |
| *Osteichthyes* | | 300 F | 300 F | 300 F | 500 F | 800 F | 1 000 | 1 375 | 3 600 | 2 500 | 3 000 |
| *Acipenseridae* | | | | .. | | | | 250 | 300 | 350 | 310 |
| *Anguilla anguilla* | | 2 600 | 2 800 | 3 300 | 3 500 | 4 000 | 3 750 | 4 100 | 4 185 | 3 265 | 3 000 |
| *Oncorhynchus mykiss* | | 23 000 | 25 000 | 25 000 | 35 000 | 30 000 | 33 000 | 35 000 | 35 000 | 35 400 | 35 500 |
| *Dicentrarchus labrax* | | 280 | 340 | 550 | 750 | 930 | 1 100 | 1 050 | 1 538 | 1 826 | 2 000 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Sparus aurata* | | 320 | 360 | 450 | 550 | 750 | 850 | 850 | 965 | 1 070 | 1 300 |
| *Mugil cephalus* | | 1 100 | 1 100 | 1 700 | 1 200 | 1 200 | 1 100 | 1 200 | 1 300 | 981 | 1 000 |
| *Mugilidae* | | 2 100 | 2 100 | 3 500 | 2 300 | 2 300 | 2 100 | 2 300 | 2 200 | 1 961 | 2 000 |
| *Penaeus japonicus* | | . | . | . | . . | . . | 29 | 32 | 32 | 33 | 24 |
| *Penaeus monodon* | | . . | . . . | . . . | . . . | . . . | 1 | 2 | 2 | 1 | 1 |
| *Ostrea edulis* | | 5 000 | 5 000 | 5 000 | 5 000 | 3 000 | 1 500 | - | - | - | - |
| *Mytilus galloprovincialis* | | 60 000 | 65 000 | 67 000 | 68 131 | 85 400 | 80 000 | 80 000 | 75 000 | 84 300 | 80 000 |
| *Tapes spp* | | . . | 1 | 30 | 285 | 1 934 | 7 116 | 16 100 | 20 000 | 26 400 | 26 400 |
| *Fish and shellfish* | Q | *96 900* | *104 301* | *109 130* | *119 216* | *132 314* | *133 721* | *144 234* | *146 297* | *160 203* | *156 635* |
| *Poissons et fruits de mer* | V | *175 646* | *170 556* | *216 096* | *281 555* | *276 669* | *290 395* | *345 181* | *360 226* | *370 705* | *328 407* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Gracilaria spp* | | | | . | . | . . | | | | 5 000 | 5 000 |
| *Other aquatic organisms* | Q | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | *5 000* | *5 000* |
| *Autres organismes aquatiques* | V | . . . | . . . | . . . | . . . | . . . | . . . | . . . | . . . | *2 445* | *1 900* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Jamaica** | | | | | | | | | | | |
| *Cyprinidae* | | . . . | . . . | . . . | . . . | . . . | 50 F | 60 F | 60 F | 75 F | 100 F |
| *Oreochromis niloticus* | | 328 | 1 046 | 1 442 | 1 500 F | 2 400 F | 2 400 F | 2 400 F | 2 500 F | 2 500 F | 2 600 F |
| *Colossoma macropomum* | | . . . | . . . | . . . | . . . | . . . | 50 F | 60 F | 70 F | 80 F | 100 F |
| *Macrobrachium rosenbergii* | | 15 | 15 | 19 | 20 | 30 | 30 | 30 F | 30 F | 30 F | 40 F |
| *Crassostrea rhizophorae* | | 4 F | 12 | 12 F | 12 F | 12 F | 10 F | 10 F | 10 F | 12 F | 15 F |
| *Fish and shellfish* | Q | *347 F* | *1 073* | *1 473 F* | *1 532 F* | *2 442 F* | *2 540 F* | *2 560 F* | *2 670 F* | *2 697 F* | *2 855 F* |
| *Poissons et fruits de mer* | V | *676 F* | *1 851* | *2 555 F* | *2 651 F* | *4 452 F* | *6 510 F* | *6 490 F* | *8 036 F* | *8 109 F* | *8 595 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Japan** | | | | | | | | | | | |
| *Carassius carassius* | | 1 492 | 1 455 | 1 709 | 1 463 | 1 532 | 1 236 | 1 191 | 1 210 | 1 079 | 1 080 |
| *Cyprinus carpio* | | 21 071 | 19 105 | 17 939 | 19 375 | 18 130 | 17 479 | 16 309 | 16 160 | 15 061 | 13 543 |
| *Oreochromis (=Tilapia) spp* | | 3 544 | 4 180 | 4 113 | 4 624 | 4 760 | 5 283 | 5 825 | 5 647 | 4 697 | 3 807 |
| *Osteichthyes* | | 280 | 446 | 405 | 305 | 307 | 405 | 454 | 357 | 322 | 314 |
| *Anguilla spp* | | 38 030 | 39 568 | 36 520 | 36 994 | 39 558 | 39 704 | 38 855 | 39 013 | 36 299 | 33 860 |
| *Oncorhynchus kisutch* | | 5 049 | 6 990 | 7 533 | 12 177 | 16 496 | 19 849 | 23 608 | 25 730 | 25 519 | 21 148 |
| *Oncorhynchus mykiss* | | 16 773 | 16 324 | 16 958 | 16 443 | 15 314 | 15 596 | 15 395 | 15 127 | 14 480 | 14 300 |
| *Plecoglossus altivelis* | | 11 705 | 10 967 | 11 396 | 12 405 | 13 633 | 13 390 | 12 978 | 13 855 | 12 794 | 12 523 |
| *Salmo spp* | | 3 047 | 2 973 | 3 450 | 3 796 | 3 818 | 4 292 | 4 677 | 4 870 | 4 905 | 5 014 |
| *Paralichthys olivaceus* | | 838 | 1 572 | 1 865 | 2 294 | 3 097 | 4 283 | 6 039 | 6 515 | 7 128 | 6 775 |
| *Acanthopagrus macrocephalus* | | 158 | 243 | 165 | 104 | 123 | 129 | 136 | 117 | 118 | 103 |
| *Cantherines(=Navodon)spp* | | 31 | 53 | 41 | 68 | 49 | 45 | 67 | 177 | 99 | 92 |
| *Evynnis japonica* | | 127 | 73 | 346 | 300 | 133 | 505 | 94 | 52 | 117 | 122 |
| *Pagrus major* | | 26 156 | 28 430 | 33 497 | 37 838 | 45 220 | 45 536 | 51 636 | 60 127 | 65 950 | 72 696 |
| *Tetraodontidae* | | 461 | 750 | 806 | 1 028 | 1 156 | 1 657 | 2 895 | 2 893 | 4 068 | 4 427 |
| *Seriola quinqueradiata* | | 152 498 | 150 961 | 145 878 | 158 867 | 165 928 | 153 164 | 161 106 | 161 077 | 148 701 | 141 646 |
| *Trachurus japonicus* | | 3 710 | 5 008 | 4 588 | 5 562 | 6 455 | 6 655 | 5 863 | 5 889 | 7 161 | 6 454 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Trachurus spp* | | 498 | 461 | 613 | 947 | 881 | 959 | 1 368 | 1 758 | 1 853 | 2 183 |
| *Osteichthyes* | | 829 | 975 | 1 350 | 1 153 | 2 408 | 2 344 | 2 694 | 3 459 | 2 789 | 3 627 |
| *Macrobrachium rosenbergii* | | 24 | 33 | 39 | 55 | 46 | 32 | 34 | 19 | 20 | 21 |
| *Penaeus japonicus* | | 2 037 | 2 151 | 2 434 | 2 882 | 3 020 | 2 813 | 2 636 | 2 491 | 2 187 | 1 712 |
| *Crustacea* | | 41 | 16 | 21 | 76 | 23 | 45 | 36 | 29 | 44 | 33 |
| *Mollusca* | | 190 | 41 | 16 | 9 | 8 | 6 | 5 | 9 | 6 | 4 |
| *Crassostrea gigas* | | 257 126 | 251 247 | 251 574 | 258 776 | 270 858 | 256 313 | 248 793 | 239 217 | 244 905 | 235 531 |
| *Pecten yessoensis* | | 73 948 | 108 509 | 139 866 | 152 407 | 181 929 | 180 255 | 192 042 | 188 834 | 208 050 | 241 426 |
| *Bivalvia* | | 521 | 339 | 593 | 1 236 | 1 537 | 1 456 | 1 486 | 1 340 | 1 381 | 1 633 |
| *Testudinata* | | 367 | 413 | 495 | 565 | 694 | 743 | 799 | 764 | 763 | 733 |
| *Ascidiacea* | | 8 903 | 7 660 | 8 552 | 7 372 | 9 641 | 10 406 | 7 272 | 6 676 | 7 834 | 8 225 |
| *Fish and shellfish* | Q | *629 454* | *660 943* | *692 762* | *739 121* | *806 754* | *784 580* | *804 293* | *803 412* | *818 330* | *833 032* |
| *Poissons et fruits de mer* | V | *1 610 039* | *1 649 380* | *2 425 532* | *2 942 415* | *3 245 601* | *3 146 971* | *3 107 608* | *3 487 061* | *3 494 918* | *3 608 821* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Ex Pinctada spp* | | 69 449 | 65 442 | 68 998 | 68 228 | 71 959 | 70 069 | 71 041 | 68 603 | 68 989 | 72 846 |
| *Laminaria japonica* | | 62 756 | 53 593 | 54 143 | 49 582 | 59 696 | 64 383 | 54 297 | 42 619 | 72 924 | 59 966 |
| *Undaria pinnatifida* | | 114 586 | 112 375 | 135 621 | 115 918 | 110 539 | 108 451 | 112 974 | 99 092 | 112 302 | 89 581 |
| *Porphyra tenera* | | 396 530 | 351 788 | 403 112 | 321 238 | 442 806 | 403 290 | 387 245 | 403 363 | 382 805 | 362 955 |
| *Algae* | | 4 636 | 5 455 | 6 251 | 8 327 | 6 196 | 9 790 | 10 871 | 10 715 | 10 659 | 13 533 |
| *Other aquatic organisms* | Q | *647 957* | *588 653* | *668 125* | *563 293* | *691 196* | *655 983* | *636 428* | *624 392* | *647 679* | *598 881* |
| *Autres organismes aquatiques* | V | *1 557 906* | *1 481 843* | *1 912 294* | *1 855 484* | *2 273 480* | *1 976 379* | *1 892 571* | *2 003 494* | *2 021 033* | *1 923 437* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Jordan** | | | | | | | | | | | |
| *Cyprinus carpio* | | 10 F | 15 F | 20 | 20 | 20 | 15 | 20 | 5 | 6 | 15 |
| *Oreochromis (=Tilapia) spp* | | 20 F | 30 F | 45 | 50 | 50 | 40 | 40 | 15 | 16 | 45 |
| *Fish and shellfish* | Q | *30 F* | *45 F* | *65* | *70* | *70* | *55* | *60* | *20* | *22* | *60* |
| *Poissons et fruits de mer* | V | *138 F* | *201 F* | *331* | *372* | *339* | *138* | *196* | *66* | *101* | *279* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Kenya** | | | | | | | | | | | |
| *Cyprinus carpio* | | 3 | 4 | 7 | 5 | 82 | 187 | 293 | 271 | 282 | 289 |
| *Oreochromis niloticus* | | 112 | 113 | 114 | 121 | 169 | 416 | 405 | 451 | 467 | 474 |
| *Oncorhynchus mykiss* | | 90 | 93 | 98 | 80 | 215 | 118 | 111 | 96 | 88 | 120 |
| *Salmo spp* | | | | | | 92 | 201 | 200 | 191 | 180 | 156 |
| *Penaeus spp* | | 2 | 3 | 5 | 4 | 3 | 50 F | 227 | 169 | 119 | 106 |
| *Fish and shellfish* | Q | *207* | *213* | *224* | *210* | *561* | *972* | *1 236* | *1 178* | *1 136* | *1 145* |
| *Poissons et fruits de mer* | V | *565* | *547* | *578* | *517* | *1 530* | *2 178* | *3 555* | *2 962* | *2 217* | *2 122* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kiribati** | | | | | | | | | | | |
| *Oreochromis niloticus* | | | | .. | ... | 1 | 1 | 1 | 1 | 1 | 2 F |
| *Osteichthyes* | | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| *Chanos chanos* | | 13 | 14 | 30 | 25 | 1 | 2 | 2 F | 2 F | 2 F | 1 F |
| *Fish and shellfish* | Q | *13* | *15* | *30* | *25* | *3* | *3* | *3 F* | *3 F* | *3 F* | *3 F* |
| *Poissons et fruits de mer* | V | *18* | *16* | *43* | *37* | *2* | *5* | *5 F* | *5 F* | *5 F* | *3 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Eucheuma spp* | | | | 1 500 | 324 | 411 | 324 | 400 F | 400 F | 400 F | 350 F |
| *Other aquatic organisms* | Q | | | *1 500* | *324* | *411* | *324* | *400 F* | *400 F* | *400 F* | *350 F* |
| *Autres organismes aquatiques* | V | | | *302* | *68* | *86* | *84* | *104 F* | *100 F* | *100 F* | *105 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Korea D P Rp** | | | | | | | | | | | |
| *Cyprinidae* | | 5 000 | 5 500 | 5 500 | 6 000 | 8 000 | 9 000 F | 10 000 F | 10 000 F | 11 000 F | 11 000 F |
| *Oncorhynchus mykiss* | | 300 F | 400 F | 600 F | 700 F | 800 F | 1 000 F | 1 200 F | 1 500 F | 2 000 F | 2 000 F |
| *Crustacea* | | 11 000 | 11 000 F | 11 000 F | 12 000 F | 12 000 F | 12 500 F | 12 500 F | 13 000 F | 13 000 F | 13 000 F |
| *Mollusca* | | 20 000 F | 20 000 F | 30 000 F | 40 000 F | 45 000 F | 45 000 F | 50 000 | 50 000 | 55 000 F | 55 000 F |
| *Fish and shellfish* | Q | *36 300 F* | *36 900 F* | *47 100 F* | *58 700 F* | *65 800 F* | *67 500 F* | *73 700 F* | *74 500 F* | *81 000 F* | *81 000 F* |
| *Poissons et fruits de mer* | V | *149 700 F* | *169 300 F* | *180 000 F* | *202 500 F* | *220 900 F* | *234 250 F* | *243 450 F* | *268 000 F* | *277 250 F* | *262 500 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Laminana japonica* | | 450 000 | 450 000 F | 450 000 F | 450 000 F | 300 000 F | 110 000 F | 110 000 F | 100 000 F | 100 000 F | 100 000 F |
| *Undaria pinnatifida* | | 150 000 | 100 000 F | 50 000 F | 15 000 F | 10 000 F | 7 500 F | 7 500 F | 7 500 F | 8 000 F | 8 000 F |
| *Gelidium spp* | | . | | | ... | ... | 270 F | 270 F | 250 F | 250 F | 250 F |
| *Gracilaria spp* | | 250 | 250 R | 250 R | 250 R | 250 R | 200 F | 200 F | 200 F | 250 F | 250 F |
| *Porphyra tenera* | | 2 750 | 2 750 F | 2 750 F | 2 750 F | 2 750 F | 2 500 F | 2 500 F | 2 500 F | 3 000 F | 3 000 F |
| *Algae* | | 17 000 R | 17 000 R | 17 000 R | 17 000 R | 17 000 R | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F |
| *Other aquatic organisms* | Q | *620 000 R* | *570 000 F* | *520 000 F* | *485 000 F* | *330 000 F* | *130 470 F* | *130 470 F* | *120 450 F* | *121 500 F* | *121 500 F* |
| *Autres organismes aquatiques* | V | *248 000 R* | *228 000 F* | *208 000 F* | *194 000 F* | *132 000 F* | *52 188 F* | *52 188 F* | *60 180 F* | *60 700 F* | *60 700 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Korea Rep** | | | | | | | | | | | |
| *Carassius auratus* | | 5 | 17 | 4 | 51 | 195 | 246 | 182 | 13 | 236 | 159 |
| *Carassius carassius* | | 61 | 94 | 101 | 47 | 212 | 92 | 32 | 58 | 11 | 0 |
| *Cyprinidae* | | 4 | 13 | 32 | 70 | 138 | 96 | 68 | 30 | 0 | 0 |
| *Cyprinus carpio* | | 448 | 676 | 2 869 | 4 531 | 6 375 | 7 299 | 10 778 | 8 416 | 13 212 | 11 529 |
| *Misgurnus anguillicaudatus* | | 2 | 3 | 38 | 15 | 11 | 192 | 197 | 211 | 324 | 231 |
| *Oreochromis mossambicus* | | | | | | | | | | | 391 |
| *Oreochromis niloticus* | | 48 | 118 | 120 | 56 | 92 | 335 | 650 | 605 | 437 | 391 |
| *Channa(=Ophicephalus) argus* | | 124 | 261 | 275 F | 287 | 256 | 350 | 446 | 446 | 500 | 518 |
| *Osteichthyes* | | | | | 62 | 102 | 178 | 250 | 330 | 448 | 861 |
| *Anguilla japonica* | | 448 | 732 | 557 | 2 441 | 602 | 1 046 | 1 146 | 2 386 | 3 148 | 2 451 |
| *Oncorhynchus mykiss* | | 150 | 418 | 621 | 704 | 878 | 1 256 | 1 529 | 1 250 | 1 432 | 2 149 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Paralichthys olivaceus* | | . . | . | . . . | 20 | 16 | 249 | 1 037 | 1 815 | 3 199 | 4 029 |
| *Pagrus major* | | 8 | 23 | 60 F | 106 | 1 | 129 | 228 | 356 | 117 | 142 |
| *Mugil cephalus* | | . | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Seriola quinqueradiata* | | 323 | 1 351 | 2 910 | 1 418 | 1 258 | 1 569 | 462 | 893 | 287 | 153 |
| *Osteichthyes* | | . . . | 38 | 5 | 229 | 15 | 714 | 929 | 130 | 992 | 5 |
| *Penaeus chinensis* | | 75 | 39 | 82 | 113 | 102 | 234 | 257 | 465 | 562 | 272 |
| *Penaeus japonicus* | | 18 | 44 | 51 | 71 | 79 | 68 | 55 | 31 | 30 | 19 |
| *Penaeus spp* | | | 4 | 10 F | 17 | 0 | 0 | 0 | 15 | 0 | 0 |
| *Mollusca* | | 576 | 600 | 687 | 1 228 | 2 125 | 493 | 545 | 290 | 244 | 85 |
| *Haliotis spp* | | 17 | 6 | 19 | . . . | . . . | . . | . . | . . | . | |
| *Crassostrea gigas* | | 203 312 | 242 847 | 255 006 | 288 078 | 285 860 | 243 108 | 219 124 | 215 418 | 235 326 | 258 212 |
| *Mytilus crassitesta* | | 26 041 | 48 239 | 34 557 | 26 064 | 15 693 | 7 925 | 9 759 | 9 495 | 9 689 | 55 183 |
| *Anadara granosa* | | 10 312 | 12 038 | 11 520 | 14 584 | 14 502 | 10 299 | 11 113 | 16 325 | 16 441 | 3 290 |
| *Arca spp* | | 23 019 | 49 221 | 58 393 | 58 092 | 49 013 | 16 947 | 17 756 | 16 702 | 20 547 | 11 613 |
| *Bivalvia* | | 300 F | 320 | 488 | 443 | 1 876 | 1 310 | 232 | 252 | 135 | 634 |
| *Mactra veneriformis* | | 544 | 1 666 | 1 757 | 4 300 | 3 242 | 8 488 | 5 607 | 3 546 | 1 406 | 1 061 |
| *Meretrix lusona* | | 91 | 161 | 350 | 264 | 418 | 102 | 133 | 246 | 192 | 145 |
| *Ruditapes philippinarum* | | 17 167 | 14 350 | 75 992 | 54 132 | 51 245 | 64 973 | 61 713 | 45 537 | 54 402 | 10 046 |
| *Mollusca* | | 911 | 187 | 912 | 895 | 316 | - | 153 | . . . | 464 | 5 512 |
| *Ascidiacea* | | 157 | 9 069 | 15 205 | 10 048 | 14 014 | 24 344 | 20 768 | 6 994 | 4 821 | 13 923 |
| *Invertebrata* | | 11 500 | 10 506 | 5 591 | 9 089 | 8 864 | 12 451 | 11 534 | 9 974 | 6 905 | 8 420 |
| *Fish and shellfish* | Q | *295 661 F* | *393 042* | *468 212* | *477 455* | *457 500* | *404 493* | *376 683* | *342 229* | *375 507* | *391 424* |
| *Poissons et fruits de mer* | V | *89 271 F* | *109 418* | *157 836* | *259 899* | *318 969* | *318 428* | *398 311* | *377 307* | *619 311* | *508 423* |
| *Peces y manscos* | | | | | | | | | | | |
| *Laminana japonica* | | 7 927 | 11 796 | 9 445 | 9 980 | 11 612 | 2 617 | 8 084 | 8 938 | 9 560 | 17 180 |
| *Undana pinnatifida* | | 230 188 | 256 436 | 346 434 | 285 085 | 281 657 | 280 856 | 269 333 | 266 966 | 371 432 | 372 182 |
| *Porphyra tenera* | | 136 484 | 109 819 | 143 396 | 83 287 | 115 749 | 140 088 | 97 637 | 143 845 | 163 555 | 235 272 |
| *Monostroma nitidum* | | 4 734 | 10 658 | 11 040 | 7 588 | 8 670 | 10 116 | 12 463 | 14 367 | 17 248 | 12 053 |
| *Algae* | | 4 348 | 8 789 | 13 861 | 12 173 | 23 904 | 20 403 | 24 365 | 11 422 | 18 175 | 8 440 |
| *Other aquatic organims* | Q | *383 681* | *397 498* | *524 176* | *398 113* | *441 592* | *454 080* | *411 882* | *445 538* | *579 970* | *645 127* |
| *Autres organismes aquatiques* | V | *163 668* | *157 127* | *172 370* | *179 885* | *231 427* | *231 170* | *238 200* | *336 461* | *275 544* | *298 650* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Kuwait** | | | | | | | | | | | |
| *Osteichthyes* | | | 2 F | 3 F | 5 F | 8 F | 10 F | 0 | 0 | 5 F | 5 F |
| *Fish and shellfish* | Q | | *2 F* | *3 F* | *5 F* | *8 F* | *10 F* | *0* | *0* | *5 F* | *5 F* |
| *Poissons et fruits de mer* | V | | *24 F* | *36 F* | *63 F* | *100 F* | *100 F* | *0* | *0* | *50 F* | *50 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Laos** | | | | | | | | | | | |
| *Anstichthys nobilis* | | | | | | | | | | 1 750 F | 1 500 F |
| *Catla catla* | | | | | | | | | | 1 750 F | 1 500 F |
| *Cirrhinus mrigala* | | | | | | | | | | 1 750 F | 1 500 F |
| *Ctenopharyngodon idellus* | | | | | | | | | | 1 750 F | 1 500 F |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Cyprinidae* | | 2 500 | 4 000 F | 5 000 F | 6 000 F | 7 000 F | 8 000 F | 10 000 F | 12 000 F | ... | ... |
| *Cyprinus carpio* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| *Hypophthalmichthys molitrix* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| *Labeo rohita* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| *Oreochromis niloticus* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 750 F | 1 500 F |
| *Fish and shellfish* | Q | *2 500* | *4 000 F* | *5 000 F* | *6 000 F* | *7 000 F* | *8 000 F* | *10 000 F* | *12 000 F* | *14 000 F* | *12 000 F* |
| *Poissons et fruits de mer* | V | *2 500* | *4 000 F* | *5 000 F* | *6 000 F* | *10 500 F* | *12 000 F* | *20 000 F* | *24 000 F* | *35 000 F* | *30 000 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Latvia** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | ... | ... | ... | ... | ... | 619 | 334 |
| *Oncorhynchus mykiss* | | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 5 |
| *Fish and shellfish* | Q | ... | ... | ... | ... | ... | ... | ... | ... | *641* | *339* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | ... | ... | ... | ... | *1 179* | *736* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Lebanon** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 300 | 300 | 375 | 200 | 100 | 100 | 80 F | 80 | 130 F | 180 |
| *Fish and shellfish* | Q | *300* | *300* | *375* | *200* | *100* | *100* | *80 F* | *80* | *130 F* | *180* |
| *Poissons et fruits de mer* | V | *1 110* | *1 124* | *1 158* | *616* | *308* | *308* | *280 F* | *280* | *488 F* | *720* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Lesotho** | | | | | | | | | | | |
| *Cyprinus carpio* | | 11 | 20 | 20 | 23 | 25 | 20 F | 15 F | 10 F | 10 F | 10 F |
| *Clarias gariepinus* | | 1 | 1 | 3 | 2 | 2 | 2 F | 2 F | 2 F | 3 F | 3 F |
| *Oncorhynchus mykiss* | | 1 | 2 | 2 | 1 | 3 | 3 F | 3 F | 3 F | 4 F | 5 F |
| *Fish and shellfish* | Q | *13* | *23* | *25* | *26* | *30* | *25 F* | *20 F* | *15 F* | *17 F* | *18 F* |
| *Poissons et fruits de mer* | V | *16* | *24* | *29* | *29* | *38* | *33 F* | *28 F* | *25 F* | *33 F* | *36 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Liberia** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 7 | 8 | 6 | 3 | 2 | 3 F | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *7* | *8* | *6* | *3* | *2* | *3 F* | *0* | *0* | *0* | *0* |
| *Poissons et fruits de mer* | V | *11* | *14* | *12* | *8* | *5* | *8 F* | *0* | *0* | *0* | *0* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Libya** | | | | | | | | | | | |
| *Cyprinidae* | | ... | ... | ... | 30 F | 30 F | 50 F | 70 F | 70 F | 80 F | 80 F |
| *Fish and shellfish* | Q | ... | ... | ... | *30 F* | *30 F* | *50 F* | *70 F* | *70 F* | *80 F* | *80 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | *30 F* | *30 F* | *55 F* | *84 F* | *84 F* | *120 F* | *120 F* |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lithuania** | | | | | | | | | | | |
| *Carassius auratus* | | | | | | | | | | 13 | 8 |
| *Cyprinus carpio* | | | | | | | | | | 3 899 | 2 907 |
| *Coregonus spp* | | | | . . | | | | | | 3 | 3 |
| *Oncorhynchus mykiss* | | | | | | | | | | 17 | |
| *Fish and shellfish* | *Q* | | | . | | | | | | *3 932* | *2 918* |
| *Poissons et fruits de mer* | *V* | | | . | | | | | | *10 239* | *8 753* |
| *Peces y mariscos* | | | | | | | | | | | |
| **MacedoniaFYR** | | | | | | | | | | | |
| *Abramis brama* | | | | | | | | | | . . | 121 |
| *Ctenopharyngodon idellus* | | | | | | | . | | . | | 8 |
| *Cyprinus carpio* | | | | | | | . | | | . | 172 |
| *Tinca tinca* | | | | | | | | | | | 3 |
| *Esox lucius* | | | | | | | . | | | | 1 |
| *Osteichthyes* | | | | | | | | | | . | 399 |
| *Silurus glanis* | | | | | | | | | . . | | 38 |
| *Fish and shellfish* | *Q* | | | | | | . | | | . . | *742* |
| *Poissons et fruits de mer* | *V* | | | | | | | | | . | *1 323* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Madagascar** | | | | | | | | | | | |
| *Cyprinus carpio* | | 186 | 210 | 145 | 156 | 187 | 190 F | 200 F | 200 | 622 | 300 F |
| *Oreochromis (=Tilapia) spp* | | 4 | 74 | 36 | 38 | 42 | 40 F | 40 F | 0 | 0 | 0 |
| *Oncorhynchus mykiss* | | | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus monodon* | | | | | | | 0 | 10 F | 38 | 30 | 790 |
| *Artemia salina* | | - | - | - | - | - | - | - | - | 0 | 0 |
| *Fish and shellfish* | *Q* | *190* | *284* | *181* | *194* | *231* | *230 F* | *250 F* | *238* | *652* | *1 090 F* |
| *Poissons et fruits de mer* | *V* | *499* | *408* | *313* | *265* | *244* | *225 F* | *366 F* | *690* | *1 161* | *4 627 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Algae* | | | | | | | | | | 1 025 | |
| *Other aquatic organisms* | *Q* | | | | | | | | | *1 025* | |
| *Autres organismes aquatiques* | *V* | | | | | . | | | | *410* | |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Malawi** | | | | | | | | | | | |
| *Cyprinus carpio* | | 4 | 3 | 9 | 3 | 4 | 5 F | 8 F | 14 | 14 F | 15 F |
| *Oreochromis (=Tilapia) spp* | | 55 | 65 | 66 | 83 | 96 | 70 F | 50 F | 14 | 14 F | 15 F |
| *Oreochromis mossambicus* | | | | | | | | | 13 | 13 F | 15 F |
| *Tilapia rendalli* | | | | | | | . | | 3 | 3 F | 3 F |
| *Clarias spp* | | 10 | 7 | 7 R | 9 | 9 | 6 F | 3 F | 1 | 1 F | 3 F |
| *Osteichthyes* | | 50 F | 100 F | 100 F | 100 F | 100 F | 130 F | 130 F | 175 F | 175 F | 200 F |
| *Macrobrachium rosenbergii* | | 4 | 5 | 6 | 8 | 6 | 6 F | 6 F | 3 F | 3 F | 5 F |

# C-1 Production from aquaculture by country, by species
# Production de l'aquaculture par pays et par espèces
# Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *123 F* | *180 F* | *188 F* | *203 F* | *215 F* | *217 F* | *197 F* | *223 F* | *223 F* | *256 F* |
| *Poissons et fruits de mer* | *V* | *166 F* | *214 F* | *212 F* | *214 F* | *220 F* | *232 F* | *219 F* | *231 F* | *243 F* | *285 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Malaysia** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 843 | 1 259 | 735 | 779 | 394 | 406 | 764 | 763 | 1 221 | 439 |
| *Ctenopharyngodon idellus* | | 1 707 | 1 784 | 1 521 | 779 | 967 | 1 124 | 1 131 | 1 108 | 913 | 927 |
| *Cyprinus carpio* | | 201 | 247 | 259 | 143 | 967 | 1 049 | 1 283 | 1 283 | 1 703 | 1 000 |
| *Leptobarbus hoeveni* | | 1 | 127 | 196 | 43 | 213 | 244 | 56 | 56 | 481 | 477 |
| *Puntius gonionotus* | | 756 | 1 260 | 969 | 747 | 1 929 | 1 748 | 1 790 | 1 790 | 2 505 | 1 481 |
| *Oreochromis (=Tilapia) spp* | | . | | | 39 | 241 | 620 | 944 | 943 | 1 486 | 2 686 |
| *Oreochromis mossambicus* | | 4 | 313 | 575 | 539 | 2 350 | 2 158 | 201 | 201 | 3 146 | 3 924 |
| *Clarias batrachus* | | | | . | 7 | 183 | 87 | 197 | 198 | 904 | 741 |
| *Osteichthyes* | | 264 | 154 | 80 | 35 | 409 | 0 | 86 | 13 | 1 851 | 663 |
| *Oxyeleotris marmorata* | | | | | 5 F | 5 F | 9 | 419 | 419 | 115 | 37 |
| *Pangasius pangasius* | | . | . | . | 11 | 57 | 0 | 0 | 0 | 0 | 248 |
| *Trichogaster pectoralis* | | 6 | 13 | 107 | | | 0 | 0 | 0 | 0 | 0 |
| *Anguilla japonica* | | . | . | . | . . . | . . . | . . . | . . . | . . . | 1 572 | 2 824 |
| *Lates calcarifer* | | 160 | 338 | 819 | 1 067 | 1 267 | 3 999 | 1 608 | 1 954 | 2 784 | 3 865 |
| *Epinephelus spp* | | 17 | 28 | 105 | 107 | 146 | 169 | 143 | 144 | 264 | 1 006 |
| *Lutjanus spp* | | 2 | 3 | 35 | 72 | 123 | 103 | 121 | 421 | 87 | 966 |
| *Osteichthyes* | | 4 | 68 | 4 | 1 | 0 | 0 | 0 | 86 | 200 | 639 |
| *Macrobrachium rosenbergii* | | 67 | 84 | 79 | 5 | 68 | 128 | 137 | 135 | 94 | 52 |
| *Scylla serrata* | | 2 | 24 | 16 | 5 | 99 | 26 | 3 | 0 | 1 | 294 |
| *Penaeus merguiensis* | | 2 | 6 | 1 | 119 | 152 | 105 | 155 | 155 | 142 | 56 |
| *Penaeus monodon* | | 59 | 114 | 268 | 640 | 1 106 | 1 962 | 1 275 | 2 184 | 2 821 | 3 938 |
| *Mytilus viridis* | | 629 | 604 | 709 | 1 000 F | 1 367 | 1 550 | 1 582 | 1 563 | 1 493 | 1 182 |
| *Anadara granosa* | | 63 581 | 44 761 | 45 664 | 40 794 | 34 867 | 39 346 | 35 931 | 46 625 | 55 587 | 77 755 |
| *Mollusca* | | | | | | | | 51 | 104 | 8 | 37 |
| *Fish and shellfish* | *Q* | *68 305* | *51 187* | *52 142* | *46 937* | *46 910* | *54 833* | *47 877* | *60 145* | *79 378* | *105 237* |
| *Poissons et fruits de mer* | *V* | *23 764* | *21 868* | *25 501* | *27 065* | *37 030* | *43 212* | *33 919* | *47 820* | *80 255* | *114 286* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Mali** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 3 | 5 | 8 | 11 | 12 | 10 | 10 | 20 | 20 | 30 |
| *Clarias gariepinus* | | | | | | 3 | 3 | 3 F | 8 | 17 | 21 |
| *Heterotis spp* | | | | | . . | . . . | . . . | . . . | 3 | 3 | 1 |
| *Osteichthyes* | | | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | *Q* | *3* | *6* | *10* | *12* | *17* | *13* | *13 F* | *31* | *40* | *52* |
| *Poissons et fruits de mer* | *V* | *2* | *4* | *9* | *13* | *21* | *14* | *15 F* | *36* | *41* | *54* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Malta** | | | | | | | | | | | |
| *Oreochromis niloticus* | | | | | | | | 2 | 0 | 0 | 0 |
| *Oreochromis spilurus* | | | | | | | | 1 | 0 | 0 | 0 |
| *Dicentrarchus labrax* | | | | | | | | | 150 | 350 | 400 |
| *Sparus aurata* | | | | | | | | | 50 F | 150 | 250 |
| *Fish and shellfish* | Q | | | | | | | *3* | *200 F* | *500* | *650* |
| *Poissons et fruits de mer* | V | | | | | | | *18* | *1 600 F* | *4 500* | *5 850* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Martinique** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | ... | ... | ... | 1 | 1 | 14 | 36 | 35 | 50 | 62 |
| *Sciaenops ocellatus* | | ... | ... | ... | 1 | 0 | 3 | 2 | 10 | 15 | 10 |
| *Osteichthyes* | | ... | ... | ... | 6 | 0 | 1 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 27 | 35 | 50 | 53 | 52 | 57 | 49 | 52 | 38 | 42 |
| *Fish and shellfish* | Q | *27* | *35* | *50* | *61* | *53* | *75* | *87* | *97* | *103* | *114* |
| *Poissons et fruits de mer* | V | *372* | *471* | *868* | *1 175* | *1 100* | *1 211* | *1 563* | *1 472* | *1 378* | *1 446* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Mauritius** | | | | | | | | | | | |
| *Cypnnidae* | | ... | ... | ... | ... | . | | | | ... | 3 |
| *Oreochromis (=Tilapia) spp* | | 1 | 3 | 3 | 4 | 5 | 5 | 8 | 10 | 12 | 15 |
| *Osteichthyes* | | 16 | 16 | 11 | 11 | 11 | 15 | 16 | 16 | 18 | 23 |
| *Macrobrachium rosenbergii* | | 23 | 25 | 27 | 48 | 48 | 50 | 42 | 47 | 55 | 42 |
| *Scylla serrata* | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| *Penaeus indicus* | | | | . . | | | | | | . | 0 |
| *Penaeus monodon* | | ... | ... | ... | ... | | 1 | 1 | 3 | 2 | 1 |
| *Saccostrea cucullata* | | 1 | 8 | 8 | 8 | 8 | 10 | 9 | 8 | 10 | 8 |
| *Fish and shellfish* | Q | *42* | *53* | *50* | *72* | *73* | *82* | *78* | *86* | *100* | *95* |
| *Poissons et fruits de mer* | V | *218* | *253* | *302* | *604* | *550* | *654* | *581* | *668* | *834* | *780* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Mexico** | | | | | | | | | | | |
| *Cypnnus carpio* | | 504 | 559 | 940 | 1 327 | 1 372 | 1 141 | 1 402 | 1 430 | 1 440 | 1 276 |
| *Oreochromis (=Tilapia) spp* | | 1 450 | 1 611 | 2 270 | 2 395 | 2 387 | 2 353 | 2 674 | 2 398 | 2 455 | 2 572 |
| *Ictalurus punctatus* | | 681 | 566 | 617 | 891 | 1 037 | 1 110 | 1 229 | 1 291 | 1 589 | 1 757 |
| *Osteichthyes* | | 4 352 | 5 150 | 3 159 | 8 349 | 8 609 | 8 809 | 9 731 | 7 860 | 7 212 | 6 624 |
| *Oncorhynchus mykiss* | | 152 | 269 | 347 | 464 | 759 | 840 | 1 113 | 1 559 | 1 601 | 663 |
| *Macrobrachium rosenbergii* | | 325 | 325 | 350 | 361 | 410 | 353 | 201 | 139 | 167 | 175 |
| *Penaeus spp* | | ... | 35 | 43 | 286 | 500 F | 1 000 F | 1 500 F | 2 475 | 2 500 F | 2 500 F |
| *Crassostrea virginica* | | 41 010 | 38 462 | 38 452 | 46 325 | 52 026 | 52 131 | 47 739 | 34 604 | 29 237 | 23 275 |
| *Fish and shellfish* | Q | *48 474* | *46 977* | *46 178* | *60 398* | *67 100* | *67 737* | *65 589* | *51 756* | *46 201* | *38 842* |
| *Poissons et fruits de mer* | V | *17 423* | *18 501* | *18 157* | *27 665* | *39 432* | *43 486* | *48 258* | *57 848* | *58 183* | *50 640* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Micronesia** | | | | | | | | | | | |
| *Chanos chanos* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Bivalvia* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Poissons et fruits de mer* | V | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Ex Pinctada spp* | | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Spongidae* | | ... | ... | 0 | 0 | 0 | 1 | 1 F | 1 F | 1 F | 1 F |
| *Eucheuma spp* | | 0 | 85 | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 | 0 |
| *Other aquatic organims* | Q | *0* | *85* | *1* | *1 F* | *1 F* | *2 F* | *1 F* | *1 F* | *1 F* | *1 F* |
| *Autres organismes aquatiques* | V | *0* | *26* | *0* | *0 F* | *0 F* | *10 F* | *10 F* | *10 F* | *10 F* | *10 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Morocco** | | | | | | | | | | | |
| *Cyprinus carpio* | | 40 | 10 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| *Anguilla anguilla* | | ... | ... | ... | ... | ... | ... | ... | 30 | 70 | 70 |
| *Oncorhynchus mykiss* | | 30 | 30 | 15 | 10 | 14 | 15 | 20 | 100 | 150 | 185 |
| *Dicentrarchus labrax* | | ... | ... | ... | ... | ... | ... | ... | 56 | 121 | 120 |
| *Sparus aurata* | | ... | ... | ... | ... | ... | ... | ... | 96 | 254 | 255 |
| *Crassostrea gigas* | | 110 | 120 | 125 | 140 | 140 F | 140 F | 150 F | 120 F | 120 F | 130 F |
| *Fish and shellfish* | Q | *180* | *160* | *148* | *154* | *158 F* | *155 F* | *170 F* | *402 F* | *715 F* | *760 F* |
| *Poissons et fruits de mer* | V | *365* | *458* | *112* | *561* | *599 F* | *535 F* | *695 F* | *4 196 F* | *8 502 F* | *8 871 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Mozambique** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | 4 | 4 | 4 F | 5 F | 4 F | 2 F | 0 |
| *Oreochromis (=Tilapia) spp* | | ... | ... | 5 | 17 | 20 | 20 F | 15 F | 15 F | 12 F | 10 F |
| *Fish and shellfish* | Q | ... | ... | *5* | *21* | *24* | *24 F* | *20 F* | *19 F* | *14 F* | *10 F* |
| *Poissons et fruits de mer* | V | ... | ... | *58* | *57* | *31* | *37 F* | *31 F* | *29 F* | *22 F* | *16 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Myanmar** | | | | | | | | | | | |
| *Aristichthys nobilis* | | ... | ... | ... | ... | ... | ... | 30 | 30 | 40 F | 35 |
| *Catla catla* | | ... | ... | ... | ... | ... | ... | 3 | 3 F | 3 F | 4 |
| *Cirrhinus mrigala* | | ... | ... | ... | ... | ... | ... | 9 | 15 F | 30 F | 48 |
| *Ctenopharyngodon idellus* | | ... | ... | ... | ... | ... | ... | 5 | 6 F | 7 F | 8 |
| *Cyprinus carpio* | | ... | ... | ... | ... | ... | 36 | 60 | 60 | 65 F | 85 |
| *Hypophthalmichthys molitrix* | | ... | ... | ... | ... | ... | ... | 7 | 15 F | 25 F | 33 |
| *Labeo rohita* | | 4 290 F | 5 044 | 5 797 | 5 487 | 5 668 | 6 904 | 6 969 | 4 123 | 4 290 F | 6 486 |
| *Macrobrachium rosenbergii* | | 7 | 10 | 8 F | 6 F | 5 F | 4 | 3 | 3 | 5 F | 3 |
| *Penaeus monodon* | | ... | ... | ... | ... | ... | 3 | 1 | 1 F | 1 F | 3 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *4 297 F* | *5 054* | *5 805 F* | *5 493 F* | *5 673 F* | *6 947* | *7 087* | *4 256 F* | *4 466 F* | *6 705* |
| *Poissons et fruits de mer* | *V* | *17 202 F* | *5 187* | *9 016 F* | *9 389 F* | *12 789 F* | *20 784* | *28 502* | *21 221 F* | *26 748 F* | *51 399* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Namibia** | | | | | | | | | | | |
| *Osteichthyes* | | . | | | | | | | | . | 4 F |
| *Crassostrea gigas* | | | | | | . . | | 20 F | 20 F | 20 F | 25 F |
| *Mytilus edulis* | | . . | | | | . | | | | 2 F | 5 F |
| *Fish and shellfish* | *Q* | | | | . . | . | . | *20 F* | *20 F* | *22 F* | *34 F* |
| *Poissons et fruits de mer* | *V* | | | . | | | | *36 F* | *40 F* | *45 F* | *74 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Graciana spp* | | | | | | | . | 5 840 | 2 824 | 1 272 | 1 300 F |
| *Other aquatic organisms* | *Q* | | | | | . | | *5 840* | *2 824* | *1 272* | *1 300 F* |
| *Autres organismes aquatiques* | *V* | | | | . | | | *1 752* | *1 130* | *509* | *520 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Nepal** | | | | | | | | | | | |
| *Anabichthys nobilis* | | | | | | . | . . | | 1 507 | 1 412 | 1 417 |
| *Ctenopharyngodon idellus* | | . . . | | . | . . . | . . | . | . . . | 495 | 466 | 470 |
| *Cyprinidae* | | 1 347 F | 2 316 | 3 122 | 3 945 | 3 420 | 5 075 | 6 948 | 2 809 | 3 576 | 2 338 |
| *Cyprinus carpio* | | 650 F | 949 | 1 040 | 1 490 | 1 705 | 1 761 | 2 310 | 2 498 | 2 349 | 2 374 |
| *Hypophthalmichthys molitrix* | | | | . | . | | . . | | 3 005 | 2 818 | 2 835 |
| *Fish and shellfish* | *Q* | *1 997 F* | *3 265* | *4 162* | *5 435* | *5 125* | *6 836* | *9 258* | *10 314* | *10 621* | *9 434* |
| *Poissons et fruits de mer* | *V* | *2 107 F* | *3 476* | *4 828* | *6 658* | *7 282* | *8 891* | *10 234* | *11 336* | *10 049* | *9 449* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Neth Antiles** | | | | | | | | | | | |
| *Strombus spp* | | | | | 21 | 10 F | 10 F | 10 F | 10 F | 5 F | 5 F |
| *Fish and shellfish* | *Q* | | | | *21* | *10 F* | *10 F* | *10 F* | *10 F* | *5 F* | *5 F* |
| *Poissons et fruits de mer* | *V* | | | | *53* | *25 F* | *25 F* | *25 F* | *25 F* | *13 F* | *13 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Netherlands** | | | | | | | | | | | |
| *Clarias gariepinus* | | 20 | 75 | 300 | 300 | 400 | 475 F | 1 000 F | 1 100 F | 1 100 F | 1 100 F |
| *Anguilla anguilla* | | | 20 | 100 | 200 | 200 | 350 F | 500 | 550 F | 520 F | 375 |
| *Oncorhynchus mykiss* | | 150 | 200 | 200 | 200 | 265 | 250 F | 250 F | 250 F | 250 F | 200 F |
| *Crassostrea spp* | | | | | 500 | 700 | 800 | 900 | 1 094 | 1 230 | 2 667 |
| *Ostrea edulis* | | | | | . | . | . . . | . . . | . . . | 382 | 127 |
| *Mytilus edulis* | | 60 149 | 116 252 | 85 896 | 98 367 | 77 596 | 107 000 | 98 845 | 49 254 | 51 223 | 65 981 |
| *Invertebrata* | | | | | . | 2 | 2 F | 2 F | 0 | 0 | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | Q | *60 319* | *116 547* | *86 496* | *99 567* | *79 163* | *108 877* | *101 497* | *52 248* | *54 705* | *70 450* |
| *Poissons et fruits de mer* | V | *39 597* | *76 452* | *57 984* | *66 907* | *47 321* | *107 848* | *66 661* | *61 029* | *68 143* | *84 807* |
| *Peces y mariscos* | | | | | | | | | | | |
| **New Zealand** | | | | | | | | | | | |
| *Oncorhynchus nerka* | | | . | .. | . | 5 | 10 F | 10 F | 10 F | 10 F | 15 F |
| *Oncorhynchus tshawytscha* | | 92 | 180 F | 611 F | 880 F | 1 150 | 1 500 | 2 500 | 2 750 | 2 700 | 2 600 |
| *Crassostrea gigas* | | 1 053 | 795 | 730 | 803 | 2 003 | 1 470 | 2 100 | 2 200 | 2 000 | 2 001 |
| *Mytilus canaliculus* | | 9 800 | 10 860 | 15 636 | 17 683 | 24 598 | 24 015 | 24 000 | 43 600 | 46 500 | 47 000 |
| *Pecten novaezelandiae* | | .. | .. | . | . | 65 | 50 F | 50 F | 100 F | 120 F | 100 F |
| *Fish and shellfish* | Q | *10 945* | *11 835* | *16 977* | *19 366* | *27 821* | *27 045* | *28 660* | *48 660* | *51 330* | *51 716* |
| *Poissons et fruits de mer* | V | *5 530* | *5 664* | *11 703* | *14 389* | *46 223* | *45 891* | *51 966* | *57 382* | *62 867* | *62 822* |
| *Peces y mariscos* | | | | | | | | | | | |
| **NewCaledonia** | | | | | | | | | | | |
| *Macrobrachium rosenbergii* | | .. | . . | . . | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| *Penaeus spp* | | 54 | 95 | 65 | 87 | 231 | 292 | 490 | 644 | 733 | 632 |
| *Crassostrea gigas* | | | ... | ... | . . | ... | 92 | 91 | 110 | 114 | 86 |
| *Fish and shellfish* | Q | *54* | *95* | *65* | *88* | *232* | *385* | *581* | *754* | *847* | *718* |
| *Poissons et fruits de mer* | V | *648* | *1 140* | *780* | *1 167* | *3 265* | *3 922* | *6 018* | *7 654* | *9 298* | *7 314* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Nicaragua** | | | | | | | | | | | |
| *Cyprinus carpio* | | | . | 0 | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 |
| *Oreochromis aureus* | | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| *Penaeus stylirostris* | | | . | | . . | . | . | | 17 | 14 | 15 F |
| *Penaeus vannamei* | | | .. | | 45 | 70 | 100 F | 100 F | 53 | 42 | 45 F |
| *Fish and shellfish* | Q | *3* | *2* | *1* | *48* | *74 F* | *104 F* | *104 F* | *74* | *60* | *64 F* |
| *Poissons et fruits de mer* | V | *3* | *2* | *1* | *305* | *480 F* | *807 F* | *857 F* | *273* | *234* | *250 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Niger** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 9 | 7 | 8 | 14 | 20 | 19 | 36 | 21 | 8 | 10 |
| *Osteichthyes* | | | . | 5 F | 5 F | 5 F | 10 F | 8 F | 5 F | 5 F | 6 F |
| *Fish and shellfish* | Q | *9* | *7* | *13 F* | *19 F* | *25 F* | *29 F* | *44 F* | *26 F* | *13 F* | *16 F* |
| *Poissons et fruits de mer* | V | *17* | *13* | *32 F* | *53 F* | *79 F* | *70 F* | *137 F* | *90 F* | *41 F* | *50 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Nigeria** | | | | | | | | | | | |
| *Cyprinus carpio* | | 186 | 229 | 273 | 300 | 2 837 | 4 548 | 511 | 111 | 800 | 800 F |
| *Oreochromis (=Tilapia) spp* | | 1 982 | 4 573 | 3 274 | 3 602 | 3 962 | 9 308 | 3 795 | 1 962 | 7 525 | 7 500 F |
| *Channa (Ophicephalus) spp* | | | . | . | .. | ... | 388 | 50 | 825 | 800 | 800 F |
| *Chrysichthys nigrodigitatus* | | 164 | 152 | 164 | 180 | 207 | 210 F | 438 | 893 | 1 290 | 1 300 F |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Clarias gariepinus* | | ... | ... | ... | ... | ... | ... | ... | ... | 3 850 | 3 500 F |
| *Clarias spp* | | 3 160 | 2 287 | 1 364 | 1 500 | 3 152 | 9 421 | 1 533 | 4 999 | 1 020 | 1 500 F |
| *Heterotis spp* | | 747 | 381 | 109 | 121 | 127 | 130 F | 292 | 332 | 300 | 300 F |
| *Osteichthyes* | | ... | ... | ... | ... | 17 | 1 505 | 440 | 3 912 | 411 | 390 F |
| *Synodontis spp* | | ... | ... | ... | ... | ... | ... | ... | 612 | 80 | 100 F |
| *Lutjanus spp* | | ... | ... | ... | ... | ... | ... | ... | 207 | 767 | 700 |
| *Mugilidae* | | ... | ... | 272 | 299 | 329 | 330 F | 288 | 1 512 | 245 | 210 F |
| *Fish and shellfish* | *Q* | *6 239* | *7 622* | *5 456* | *6 002* | *10 631* | *25 840* | *7 347* | *15 365* | *17 088* | *17 100 F* |
| *Poissons et fruits de mer* | *V* | *6 149* | *7 889* | *6 307* | *6 969* | *13 219* | *33 744* | *9 646* | *23 402* | *42 755* | *42 635 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Norway** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 3 569 | 5 142 | 4 310 | 8 787 | 9 351 | 3 611 | 3 796 | 5 655 | 6 582 | 8 968 |
| *Salmo salar* | | 22 300 | 29 473 | 45 675 | 47 418 | 80 522 | 110 068 | 145 990 | 154 900 | 124 138 | 163 581 |
| *Salvelinus alpinus* | | ... | 2 | 2 | 1 | 7 | 40 | 161 | 150 F | 150 F | 200 F |
| *Psetta maxima maxima* | | ... | ... | ... | 2 | 0 | 2 F | 0 | 2 F | 2 F | 2 F |
| *Gadus morhua* | | ... | ... | ... | 5 | 15 | 10 F | 10 F | 20 F | 25 F | 20 F |
| *Crassostrea gigas* | | ... | ... | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Ostrea edulis* | | ... | ... | 4 | 5 | 5 | 6 | 4 | | | . |
| *Mytilus edulis* | | ... | ... | 170 | 127 | 87 | 43 | 77 | | | . . |
| *Fish and shellfish* | *Q* | *25 869* | *34 617* | *50 162* | *56 346* | *89 987* | *113 780* | *150 038* | *160 727* | *130 897* | *172 771* |
| *Poissons et fruits de mer* | *V* | *133 357* | *177 534* | *233 343* | *314 348* | *516 878* | *511 994* | *773 235* | *669 936* | *627 621* | *785 281* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Oman** | | | | | | | | | | | |
| *Penaeus monodon* | | ... | ... | ... | 8 | 0 | 0 | - | - | - | - |
| *Fish and shellfish* | *Q* | ... | ... | ... | *8* | *0* | *0* | - | - | - | - |
| *Poissons et fruits de mer* | *V* | ... | ... | ... | *125* | *0* | *0* | - | - | - | - |
| *Peces y manscos* | | | | | | | | | | | |
| **Other Asia** | | | | | | | | | | | |
| *Anstichthys nobilis* | | 11 558 | 12 106 | 11 454 | 9 892 | 10 976 | 8 939 | 8 763 | 8 595 | 7 735 | 6 761 |
| *Carassius carassius* | | 3 132 | 3 008 | 2 969 | 2 900 | 3 157 | 2 710 | 2 766 | 2 286 | 1 783 | 1 899 |
| *Cirrhinus mulitorella* | | 182 | 206 | 226 | 120 | 265 | 419 | 289 | 121 | 50 | 136 |
| *Ctenopharyngodon idellus* | | 8 841 | 8 989 | 8 702 | 10 030 | 12 020 | 9 577 | 9 874 | 8 727 | 8 773 | 8 053 |
| *Cyprinus carpio* | | 5 646 | 4 833 | 4 609 | 4 387 | 3 935 | 3 789 | 3 369 | 3 552 | 2 714 | 3 657 |
| *Hypophthalmichthys molitrix* | | ... | ... | ... | ... | ... | 2 276 | 1 374 | 1 455 | 1 418 | 1 088 |
| *Mylopharyngodon piceus* | | ... | ... | ... | ... | ... | ... | 383 | 408 | 480 | 950 |
| *Oreochromis (=Tilapia) spp* | | 53 090 | 51 242 | 48 704 | 50 984 | 54 577 | 45 898 | 52 047 | 50 480 | 47 226 | 57 143 |
| *Clarias spp* | | 349 | 119 | 58 | 101 | 48 | 55 | 40 | 46 | 69 | 797 |
| *Gobiidae* | | ... | ... | ... | ... | ... | 0 | 143 | 522 | 330 | ... |
| *Osteichthyes* | | 7 836 | 11 028 | 11 463 | 8 018 | 6 376 | 775 | 1 702 | 2 390 | 2 328 | 3 309 |
| *Anguilla japonica* | | 36 621 | 36 845 | 35 975 | 42 489 | 51 577 | 43 008 | 55 816 | 55 641 | 51 023 | 39 959 |
| *Plecoglossus altivelis* | | ... | ... | ... | ... | ... | 42 | 39 | 31 | 39 | 72 |
| *Salmo spp* | | 32 | 152 | 714 | 949 | 787 | 618 | 531 | 524 | 485 | 697 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Chanos chanos* | | 30 603 | 31 677 | 27 607 | 28 852 | 39 859 | 21 159 | 90 716 | 41 298 | 25 146 | 45 524 |
| *Lates calcarifer* | | ... | ... | ... | ... | ... | 2 708 | 4 673 | 4 674 | 6 063 | 10 035 |
| *Acanthopagrus macrocephalus* | | ... | ... | ... | ... | ... | ... | 318 | 341 | 778 | 3 042 |
| *Epinephelus spp* | | 203 | 838 | 971 | 1 224 | 1 067 | 408 | 2 206 | 1 229 | 1 125 | 3 942 |
| *Lutjanidae* | | ... | ... | ... | ... | ... | ... | ... | 15 | 4 | 93 |
| *Pagrus major* | | ... | ... | ... | ... | ... | ... | 21 | 0 | 0 | 76 |
| *Sparidae* | | - | - | 24 | 337 | 476 | 355 | 177 | 403 | 412 | 668 |
| *Mugil cephalus* | | 1 054 | 843 | 788 | 1 502 | 1 348 | 954 | 919 | 790 | 1 079 | 1 935 |
| *Osteichthyes* | | 1 772 | 2 188 | 2 672 | 1 993 | 1 184 | 1 384 | 537 | 94 | 524 | 3 020 |
| *Macrobrachium rosenbergii* | | 1 315 | 697 | 1 382 | 1 354 | 4 355 | 6 725 | 11 607 | 16 196 | 7 665 | 5 475 |
| *Reptantia* | | 24 | 22 | 4 | 0 | 8 | 35 | 24 | 60 | 231 | 74 |
| *Scylla serrata* | | 1 490 | 1 617 | 1 414 | 1 134 | 784 | 717 | 1 294 | 1 241 | 930 | 1 350 |
| *Panulirus longipes* | | 4 | 6 | 2 | 5 | 25 | 6 | 40 | 51 | 21 | 11 |
| *Metapenaeus spp* | | 901 | 1 197 | 1 214 | 989 | 1 168 | 763 | 677 | 699 | 602 | 541 |
| *Natantia* | | 232 | 271 | 429 | 641 | 458 | 58 | 467 | 57 | 319 | 2 041 |
| *Penaeus japonicus* | | 160 | 429 | 817 | 1 330 | 3 747 | 5 784 | 6 643 | 11 469 | 5 439 | 659 |
| *Penaeus monodon* | | 15 615 | 16 715 | 44 387 | 78 548 | 30 603 | 16 672 | 8 570 | 10 216 | 10 426 | 8 904 |
| *Penaeus penicillatus* | | ... | ... | ... | ... | ... | 745 | 1 769 | 877 | 907 | 2 233 |
| *Penaeus spp* | | 94 | ... | 2 771 | 6 756 | 3 531 | ... | ... | ... | ... | ... |
| *Corbicula japonica* | | 8 381 | 9 045 | 9 641 | 8 143 | 9 054 | 9 418 | 15 922 | 12 819 | 10 925 | 11 005 |
| *Haliotis spp* | | 144 | 253 | 502 | 1 072 | 1 157 | 915 | 1 124 | 1 294 | 1 355 | 1 051 |
| *Crassostrea gigas* | | 29 012 | 25 465 | 19 174 | 21 198 | 28 431 | 28 466 | 28 153 | 24 990 | 26 746 | 27 684 |
| *Anadara granosa* | | 10 | 10 | 6 | 5 | 1 | 0 | 1 | - | - | - |
| *Bivalvia* | | 106 | 250 | 396 | 575 | 541 | 563 | 107 | 130 | 236 | 759 |
| *Mercenaria mercenaria* | | 17 115 | 16 583 | 13 990 | 10 966 | 19 531 | 17 141 | 18 487 | 17 254 | 22 853 | 17 438 |
| *Ruditapes philippinarum* | | 3 844 | 3 689 | 3 362 | 2 996 | 2 645 | 1 095 | 1 546 | 1 337 | 785 | 1 395 |
| *Mollusca* | | 119 | 115 | 114 | 88 | 158 | 38 | 52 | 31 | 38 | 44 |
| *Rana spp* | | ... | ... | ... | ... | ... | 327 | 134 | 188 | 784 | 2 052 |
| *Testudinata* | | 318 | 233 | 204 | 183 | 71 | 68 | 51 | 22 | 109 | 383 |
| *Invertebrata* | | 75 | 72 | 66 | 136 | 425 | 314 | 265 | 544 | 504 | 888 |
| *Fish and shellfish*<br>*Poissons et fruits de mer*<br>*Peces y mariscos* | *Q*<br>*V* | *239 878*<br>*630 099* | *240 743*<br>*621 916* | *256 811*<br>*808 432* | *299 897*<br>*1 105 702* | *294 345*<br>*1 195 668* | *234 924*<br>*1 009 181* | *333 636*<br>*1 250 087* | *283 097*<br>*1 131 663* | *250 459*<br>*1 163 168* | *276 843*<br>*1 126 597* |
| *Crocodylidae* | | ... | ... | ... | ... | ... | 12 | 10 | 20 | 11 | 5 |
| *Gracilaria spp* | | 10 086 | 10 025 | 9 231 | 5 436 | 6 567 | 9 282 | 10 614 | 9 268 | 11 034 | 7 924 |
| *Porphyra tenera* | | 70 | 62 | 67 | 44 | 51 | 0 | 0 | 0 | 0 | 6 |
| *Algae* | | 5 | 0 | 2 | 52 | 18 | 0 | 1 | 2 | 0 | 0 |
| *Other aquatic organisms*<br>*Autres organismes aquatiques*<br>*Otros organismos acuáticos* | *Q*<br>*V* | *10 161*<br>*9 865* | *10 087*<br>*9 496* | *9 300*<br>*10 278* | *5 532*<br>*4 580* | *6 636*<br>*7 430* | *9 294*<br>*2 265* | *10 625*<br>*1 285* | *9 290*<br>*1 630* | *11 045*<br>*3 209* | *7 935*<br>*2 492* |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pakistan** | | | | | | | | | | | |
| *Cyprinidae* | | 8 500 F | 8 500 F | 8 500 F | 8 500 F | 6 797 | 9 710 | 10 045 | 12 800 | 12 612 | 13 378 |
| *Oncorhynchus mykiss* | | ... | ... | ... | ... | 13 | 16 | 16 | 16 F | 20 F | 20 F |
| *Metapenaeus spp* | | ... | ... | ... | ... | 2 | 2 F | 3 | 3 | 3 | 3 |
| *Penaeus monodon* | | ... | ... | ... | ... | 38 | 40 F | 38 | 38 | 35 | 35 |
| *Fish and shellfish* | Q | *8 500 F* | *8 500 F* | *8 500 F* | *8 500 F* | *6 850* | *9 768* | *10 102* | *12 857* | *12 670* | *13 436* |
| *Poissons et fruits de mer* | V | *11 900 F* | *11 900 F* | *11 900 F* | *11 900 F* | *6 795* | *9 199* | *9 099* | *11 012* | *12 241* | *14 176* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Panama** | | | | | | | | | | | |
| *Aristichthys nobilis* | | 0 | 1 F | 2 | 4 | 16 | 2 | 1 | 2 | 3 | 4 |
| *Ctenopharyngodon idellus* | | 6 F | 20 F | 37 | 53 | 27 | 30 | 29 | 56 | 15 | 30 |
| *Cyprinidae* | | 0 | 0 | 1 | 4 | 8 | 0 | 0 | 0 | 0 | 0 |
| *Cyprinus carpio* | | 8 F | 26 F | 48 | 65 | 52 | 31 | 29 | 25 | 29 | 24 |
| *Hypophthalmichthys molitrix* | | 21 F | 69 F | 126 | 178 | 94 | 45 | 138 | 113 | 30 | 16 |
| *Cichlasoma managuense* | | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 |
| *Oreochromis (=Tilapia) spp* | | ... | ... | ... | ... | 7 | 14 | 41 | 67 | 62 | 67 |
| *Oreochromis aureus* | | 1 F | 4 F | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Oreochromis niloticus* | | 21 F | 69 F | 126 | 166 | 140 | 58 | 8 | 16 | 3 | 9 |
| *Colossoma macropomum* | | 16 F | 53 F | 97 | 132 | 301 | 19 | 56 | ... | 23 | 40 |
| *Osteichthyes* | | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 3 | 5 | 16 | 7 | 11 | 5 | 6 | 8 | 5 | 5 |
| *Penaeus stylirostris* | | 601 | 1 200 | 1 260 | 1 164 | 400 F | 400 F | 300 F | 300 F | 300 F | 300 F |
| *Penaeus vannamei* | | 830 | 1 357 | 1 740 | 1 676 | 3 127 | 3 095 | 2 830 | 3 290 | 3 350 | 3 200 |
| *Fish and shellfish* | Q | *1 507* | *2 804* | *3 460* | *3 460* | *4 187* | *3 701* | *3 438* | *3 877* | *3 820* | *3 696* |
| *Poissons et fruits de mer* | V | *11 123* | *20 629* | *26 121* | *25 004* | *27 333* | *17 758* | *27 030* | *29 983* | *23 239* | *23 092* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Papua N Guin** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | ... | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| *Oncorhynchus mykiss* | | ... | ... | ... | ... | 2 | 2 F | 2 F | 2 F | 2 F | 2 F |
| *Crassostrea rhizophorae* | | ... | ... | ... | ... | ... | 1 | 1 F | 1 F | 1 F | 1 F |
| *Fish and shellfish* | Q | ... | ... | ... | ... | *7* | *8 F* | *8 F* | *8 F* | *8 F* | *8 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | *20* | *21 F* | *21 F* | *21 F* | *22 F* | *22 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Ex Pinctada spp* | | ... | ... | ... | ... | 5 | 5 F | 5 F | 5 F | 5 F | 5 F |
| *Other aquatic organisms* | Q | ... | ... | ... | ... | *5* | *5 F* | *5 F* | *5 F* | *5 F* | *5 F* |
| *Autres organismes aquatiques* | V | ... | ... | ... | ... | *3* | *3 F* | *3 F* | *4 F* | *4 F* | *4 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Paraguay** | | | | | | | | | | | |
| *Cyprinus carpio* | | | . . | . . . | . . . | 27 | 25 F | 25 F | 25 F | 30 F | 30 F |
| *Oreochromis (=Tilapia) spp* | | 0 | 0 | 0 | 22 | 27 | 26 F | 26 F | 25 F | 30 F | 30 F |
| *Characidae* | | | | | | | | 10 F | 10 F | 10 F | 10 F |
| *Fish and shellfish* | *Q* | *0* | *0* | *0* | *22* | *54* | *51 F* | *61 F* | *60 F* | *70 F* | *70 F* |
| *Poissons et fruits de mer* | *V* | *0* | *0* | *0* | *15* | *38* | *51 F* | *62 F* | *67 F* | *78 F* | *78 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Peru** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | | | 35 | 35 | 30 | 41 |
| *Astronotus spp* | | . . . | . . . | 1 | 1 F | 1 F | 1 F | 0 | 0 | 0 | 0 |
| *Oreochromis (=Tilapia) spp* | | 28 | 52 | 36 | 89 | 230 | 200 F | 186 | 200 | 250 | 181 |
| *Arapaima gigas* | | | | 1 | 5 F | 12 F | 15 F | 20 | 20 | 10 | 10 |
| *Brycon moorei* | | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Characidae* | | | | 4 | | | | 0 | 0 | 0 | 0 |
| *Colossoma bidens* | | | | | | | | 77 | 77 | 20 | 20 |
| *Colossoma macropomum* | | | | . . . | 30 | 45 F | 60 F | 85 | 120 | 60 | 58 |
| *Osteichthyes* | | | | 41 | 78 | 80 F | 70 F | 60 F | 60 F | 10 F | 10 |
| *Prochilodus reticulatus* | | . . . | . . . | 156 | 120 F | 100 F | 60 F | 20 | 20 | 10 | 10 |
| *Oncorhynchus mykiss* | | 618 | 607 | 506 | 661 | 850 | 1 000 | 1 608 | 1 200 | 1 142 | 1 122 |
| *Macrobrachium rosenbergii* | | . . . | . . . | . . . | 18 | 15 F | 10 F | 5 F | 4 F | 1 | 1 |
| *Penaeus vannamei* | | 1 739 | 1 468 | 1 644 | 3 062 | 3 500 | 3 353 | 3 000 | 5 000 | 3 771 | 3 109 |
| *Argopecten purpuratus* | | 730 | 5 421 | 316 | 110 F | 140 F | 100 F | 130 F | 130 F | 100 F | 100 F |
| *Fish and shellfish* | *Q* | *3 115* | *7 548* | *2 706* | *4 174 F* | *4 973 F* | *4 869 F* | *5 226 F* | *6 866* | *5 404* | *4 662* |
| *Poissons et fruits de mer* | *V* | *14 846* | *36 677* | *12 202* | *23 163 F* | *25 150 F* | *24 262 F* | *21 482 F* | *35 709* | *26 520* | *25 652* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Philippines** | | | | | | | | | | | |
| *Cyprinidae* | | 1 207 | 6 965 | 5 529 | 7 637 | 5 851 | 7 220 | 4 780 | 4 897 | 5 484 | 80 |
| *Oreochromis (=Tilapia) spp* | | 13 330 | 27 206 | 30 602 | 44 682 | 48 327 | 38 530 | 26 986 | 14 394 | 27 888 | 21 753 |
| *Oreochromis niloticus* | | 17 578 | 15 434 | 25 217 | 31 087 | 26 719 | 43 145 | 49 156 | 62 176 | 63 285 | 74 586 |
| *Channa striatus* | | 226 | 253 | 191 | 133 | 134 | 132 | 5 | 0 | 0 | 0 |
| *Clarias spp* | | 86 | 190 | 143 | 97 | 100 | 99 | 100 F | 130 F | 150 F | 260 |
| *Osphronemus goramy* | | | 190 | 143 | 101 | 101 | 97 | 50 F | 50 F | 50 F | 53 |
| *Osteichthyes* | | . . . | . . . | . . . | . | . . . | | . . | . . . | 1 990 | 378 |
| *Chanos chanos* | | 238 769 | 193 743 | 179 506 | 197 527 | 187 877 | 192 896 | 210 882 | 234 123 | 171 116 | 148 965 |
| *Lates calcarifer* | | . | | | | | | 779 | 4 698 | 36 | 14 |
| *Scatophagus spp* | | | | | | | | . . | 11 | 7 F | 2 |
| *Serranidae* | | . | | | | | | 2 363 | 6 765 | 349 | 772 |
| *Siganus spp* | | | | | | | | | | | 11 |
| *Osteichthyes* | | . . . | . . . | . . | | . . . | . . . | . | . . . | 2 769 | - |
| *Scylla serrata* | | 833 | 833 | 1 034 | 1 122 | 1 136 | 1 422 | 1 000 F | 597 | 4 000 F | 5 653 |
| *Metapenaeus endeavouri* | | 448 | 896 F | 620 | 670 | 682 | 864 | 5 619 | 4 249 | 1 640 | 9 490 |
| *Penaeus indicus* | | | . . . | | | | | . . . | . . . | . . . | 115 |
| *Penaeus merguiensis* | | 2 500 | 2 500 | 2 481 | 2 690 | 2 727 | 3 458 | 779 | 1 445 | 761 | 115 |
| *Penaeus monodon* | | 26 357 | 26 537 | 27 980 | 32 380 | 41 458 | 43 539 | 47 591 | 45 740 | 75 996 | 86 096 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Crassostrea iredalei* | | 14 617 | 15 261 | 16 465 | 10 361 | 12 445 | 12 819 | 13 485 | 12 154 | 15 103 | 18 290 |
| *Mytilus smaragdinus* | | 20 306 | 22 680 | 12 144 | 11 644 | 15 502 | 16 403 | 17 515 | 17 345 | 20 459 | 25 070 |
| *Fish and shellfish* | Q | *336 257* | *312 688* | *302 055* | *340 131* | *343 059* | *360 624* | *381 090* | *408 774* | *391 083* | *391 703* |
| *Poissons et fruits de mer* | V | *429 257* | *451 867* | *494 768* | *539 402* | *695 982* | *681 555* | *798 696* | *790 699* | *969 392* | *1 055 363* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Eucheuma alvarezii* | | 3 893 F | 5 000 F | 4 627 F | 6 626 F | 7 692 F | 8 060 F | 8 735 F | 8 513 F | 10 485 F | 10 428 |
| *Eucheuma cottoni* | | 122 537 F | 157 385 F | 145 632 F | 189 922 F | 220 509 F | 231 082 F | 250 411 F | 244 053 F | 300 575 F | 327 719 |
| *Eucheuma spinosum* | | 6 877 F | 8 833 F | 8 173 F | 11 041 F | 12 820 F | 13 435 F | 14 559 F | 14 190 F | 17 475 F | 18 382 |
| *Gracilaria spp* | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| *Caulerpa spp* | | 8 781 F | 11 278 F | 10 436 F | 13 250 F | 15 384 F | 16 122 F | 17 471 F | 17 027 F | 20 970 F | 23 479 |
| *Other aquatic organisms* | Q | *142 088 F* | *182 496 F* | *168 868 F* | *220 839 F* | *256 405 F* | *268 699 F* | *291 176 F* | *283 783 F* | *349 505 F* | *380 010* |
| *Autres organismes aquatiques* | V | *29 286 F* | *33 033 F* | *27 917 F* | *36 038 F* | *42 467 F* | *43 566 F* | *43 561 F* | *38 685 F* | *52 843 F* | *57 102* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Poland** | | | | | | | | | | | |
| *Cyprinus carpio* | | 17 985 | 18 189 | 16 714 | 18 472 | 21 824 | 21 824 | 22 000 | 25 000 | 25 000 | 13 600 |
| *Osteichthyes* | | 300 | 395 | 400 | 400 | 400 | 400 | 400 | 500 F | 1 050 | 1 050 F |
| *Oncorhynchus mykiss* | | 1 715 | 1 515 | 1 570 | 1 600 | 3 727 | 3 727 | 4 000 | 4 000 | 4 150 | 4 309 |
| *Fish and shellfish* | Q | *20 000* | *20 099* | *18 684* | *20 472* | *25 951* | *25 951* | *26 400* | *29 500 F* | *30 200* | *18 959* |
| *Poissons et fruits de mer* | V | *50 859* | *51 006* | *47 495* | *51 980* | *66 741* | *66 741* | *68 000* | *80 300 F* | *75 490* | *49 983* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Portugal** | | | | | | | | | | | |
| *Carassius auratus* | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| *Anguilla anguilla* | | 60 | 60 | 590 | 566 | 501 | 6 | 267 | 270 | 622 | 505 |
| *Oncorhynchus mykiss* | | 700 | 800 | 1 165 | 1 569 | 1 350 | 973 | 2 000 | 2 000 | 1 181 | 933 |
| *Salmo salar* | | ... | ... | ... | ... | 0 | 100 | 120 | 100 | 0 | 0 |
| *Salmo trutta* | | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 1 | 0 |
| *Solea vulgaris* | | 35 | 35 | 37 | 37 R | 39 | 4 | 2 | 3 | 5 | 4 |
| *Dicentrarchus labrax* | | 35 | 42 | 52 | 52 | 52 | 5 | 2 | 3 | 8 | 83 |
| *Sparidae* | | - | - | - | - | - | 1 | 0 | 0 | 0 | 0 |
| *Sparus aurata* | | 35 | 45 | 67 | 67 | 69 | 19 | 105 | 295 | 369 | 289 |
| *Mugilidae* | | 280 | 301 | 420 | 420 | 422 | 10 | 3 | 9 | 4 | 3 |
| *Penaeus japonicus* | | ... | ... | ... | ... | ... | 6 | 0 | 22 | 3 | 0 |
| *Crassostrea angulata* | | ... | ... | ... | ... | 100 | 100 | 70 | 155 | 380 | 585 |
| *Ostrea edulis* | | ... | ... | ... | ... | ... | ... | ... | 9 | 18 | 9 |
| *Mytilus edulis* | | ... | ... | ... | ... | ... | ... | 1 | 11 | 61 | 59 |
| *Bivalvia* | | ... | ... | 1 000 | 1 300 | 900 | 325 | 390 | 600 | 700 | 800 |
| *Ruditapes decussatus* | | 4 000 | 4 000 | 7 000 | 7 000 | 7 000 | 7 000 | 2 008 | 2 800 | 3 050 | 2 700 |
| *Sepia officinalis* | | ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | Q | *5 145* | *5 283* | *10 331* | *11 011* | *10 433* | *8 549* | *4 968* | *6 277* | *6 402* | *5 971* |
| *Poissons et fruits de mer* | V | *30 316* | *26 239* | *54 289* | *58 498* | *56 619* | *71 458* | *29 545* | *40 971* | *44 191* | *34 563* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Puerto Rico** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | | | | .. | 10 | 16 | 7 | 362 | 188 | 105 |
| *Macrobrachium rosenbergii* | | | | ... | 97 | 76 | 224 | 242 | 172 | 439 | 246 |
| *Testudinata* | | | 31 | 30 F | 31 F | 30 F | 30 F | 20 F | 20 F | 10 F | |
| *Fish and shellfish* | Q | | *31* | *30 F* | *128 F* | *116 F* | *270 F* | *269 F* | *554 F* | *637 F* | *351* |
| *Poissons et fruits de mer* | V | . | *155* | *150 F* | *1 125 F* | *787 F* | *1 514 F* | *1 464 F* | *2 020 F* | *2 262 F* | *1 208* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Reunion** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | | 12 | 14 | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Osteichthyes* | | | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | ... | 4 | 6 | 7 | 3 | 2 | 2 | 3 | 3 | 3 |
| *Chelonia mydas* | | 30 | 29 | 30 | 30 | 30 | 38 | 30 | 30 | 20 | 10 |
| *Fish and shellfish* | Q | *30* | *46* | *53* | *57* | *33* | *40* | *32* | *33* | *23* | *13* |
| *Poissons et fruits de mer* | V | *189* | *265* | *383* | *473* | *349* | *377* | *307* | *330* | *234* | *149* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Romania** | | | | | | | | | | | |
| *Cyprinidae* | | 37 200 | 38 900 | 38 000 F | 38 000 F | 40 000 F | 38 000 F | 35 000 F | 32 000 F | 26 000 F | 23 000 F |
| *Astacus spp, Cambarus spp* | | 18 | 25 | 30 | 11 | - | 0 | - | - | - | - |
| *Fish and shellfish* | Q | *37 218* | *38 925* | *38 030 F* | *38 011 F* | *40 000 F* | *38 000 F* | *35 000 F* | *32 000 F* | *26 000 F* | *23 000 F* |
| *Poissons et fruits de mer* | V | *93 180* | *97 500* | *95 300 F* | *95 110 F* | *100 000 F* | *95 000 F* | *87 500 F* | *83 200 F* | *72 800 F* | *69 000 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Russian Fed.** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | | | | | | | | | 500 | 520 |
| *Cyprinus carpio* | | . | | | | . | | | | 70 295 | 58 370 |
| *Hypophthalmichthys molitrix* | | | | | | | | | | 31 261 | 30 723 |
| *Acipenseridae* | | | | | | | | | | 7 | 28 |
| *Coregonus spp* | | | | | | | | | | 630 | 489 |
| *Salmonoidei* | | | | | | | | | | 500 | 420 |
| *Mugilidae* | | .. | | | | | | | | - | 10 |
| *Crustacea* | | | | | | | | | | 1 | 1 |
| *Mytilidae* | | . | | | | | | | | 350 | 650 |
| *Pecten yessoensis* | | | | | | | | | | 150 | 155 |
| *Fish and shellfish* | Q | | | | | | | | | *103 694* | *91 366* |
| *Poissons et fruits de mer* | V | . | | | . | . | | | | *214 150* | *193 277* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Phaeophyceae* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 300 | 1 500 |
| *Other aquatic organisms* | *Q* | ... | ... | ... | ... | ... | ... | ... | ... | *1 300* | *1 500* |
| *Autres organismes aquatiques* | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *2 990* | *3 450* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Rwanda** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | 4 | 10 F | 9 F | 10 F | 7 F | 5 F | 4 F | 6 | 6 F |
| *Oreochromis niloticus* | | 39 | 35 | 51 | 55 | 28 | 34 | 154 | 48 | 45 | 45 F |
| *Clarias gariepinus* | | ... | ... | ... | ... | ... | 3 F | 5 F | 6 F | 2 | 2 F |
| *Fish and shellfish* | *Q* | *39* | *39* | *61 F* | *64 F* | *38 F* | *44 F* | *164 F* | *58 F* | *53* | *53 F* |
| *Poissons et fruits de mer* | *V* | *49* | *48* | *83 F* | *115 F* | *86 F* | *81 F* | *402 F* | *97 F* | *80* | *80 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Saint Lucia** | | | | | | | | | | | |
| *Oreochromis niloticus* | | ... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Macrobrachium rosenbergii* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| *Fish and shellfish* | *Q* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *1* | *0* |
| *Poissons et fruits de mer* | *V* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *12* | *0* |
| *Peces y manscos* | | | | | | | | | | | |
| *Gracilaria spp* | | ... | 10 F | 10 F | 10 F | 4 | 4 F | 4 F | 4 F | 2 | 1 |
| *Other aquatic organisms* | *Q* | ... | *10 F* | *10 F* | *10 F* | *4* | *4 F* | *4 F* | *4 F* | *2* | *1* |
| *Autres organismes aquatiques* | *V* | ... | *30 F* | *30 F* | *30 F* | *12* | *12 F* | *13 F* | *13 F* | *6* | *3* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Samoa** | | | | | | | | | | | |
| *Cherax destructor* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Cherax quadricarinatus* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Hipposus hipposus* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Tridacna derasa* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Tridacna gigas* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Tridacna squamosa* | | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Fish and shellfish* | *Q* | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| *Poissons et fruits de mer* | *V* | ... | ... | ... | ... | ... | ... | ... | ... | *0* | *0* |
| *Peces y manscos* | | | | | | | | | | | |
| **Saudi Arabia** | | | | | | | | | | | |
| *Cyprinus carpio* | | ... | ... | ... | ... | ... | ... | 10 | 10 | 10 | 10 |
| *Oreochromis (=Tilapia) spp* | | ... | ... | 10 | 10 | 20 | 20 | 13 | 35 | 120 F | 130 F |
| *Oreochromis niloticus* | | ... | ... | 6 | 120 | 300 | 1 201 | 1 913 | 1 972 | 2 071 | 2 175 |
| *Oreochromis spilurus* | | ... | ... | 10 | 8 | 8 | 9 | 0 | 0 | 0 | 0 |
| *Rhabdosargus sarba* | | ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| *Siganus canaliculatus* | | ... | ... | 2 | 1 | 1 | 0 | 1 | 1 F | 0 | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | 170 | 170 | 179 | 188 |
| *Penaeus monodon* | | ... | ... | 0 | 1 | 2 | 10 | 51 | 135 | 179 | 188 |
| *Fish and shellfish* | Q | ... | ... | *28* | *140* | *331* | *1 240* | *2 158* | *2 323* | *2 559* | *2 691* |
| *Poissons et fruits de mer* | V | ... | ... | *114* | *534* | *1 257* | *4 044* | *6 458* | *7 678* | *9 317* | *9 799* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Senegal** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 13 | 1 | 2 | 2 | 10 | 8 | 5 | 10 | 5 | 16 |
| *Crustacea* | | 1 | 5 | 6 | 7 | 3 | 3 | 2 | 2 F | 6 | 10 |
| *Crassostrea spp* | | 36 | 30 | 26 | 25 | 30 | 30 F | 30 F | 25 F | 25 F | 20 F |
| *Fish and shellfish* | Q | *50* | *36* | *34* | *34* | *43* | *41 F* | *37 F* | *37 F* | *36 F* | *46 F* |
| *Poissons et fruits de mer* | V | *60* | *68* | *100* | *123* | *116* | *91 F* | *103 F* | *89 F* | *101 F* | *174 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Seychelles** | | | | | | | | | | | |
| *Penaeus monodon* | | ... | ... | ... | ... | ... | 7 | 15 | 12 | 15 F | 15 F |
| *Fish and shellfish* | Q | ... | ... | ... | ... | ... | *7* | *15* | *12* | *15 F* | *15 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | ... | *112* | *240* | *180* | *225 F* | *225 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Sierra Leone** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 7 | 9 | 14 | 18 | 20 | 20 F | 20 F | 20 F | 20 F | 15 F |
| *Fish and shellfish* | Q | *7* | *9* | *14* | *18* | *20* | *20 F* | *20 F* | *20 F* | *20 F* | *15 F* |
| *Poissons et fruits de mer* | V | *7* | *15* | *7* | *5* | *6* | *10 F* | *10 F* | *12 F* | *16 F* | *15 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Singapore** | | | | | | | | | | | |
| *Lates calcarifer* | | 185 | 169 | 203 | 219 | 235 | 201 | 307 | 239 | 393 | 227 |
| *Epinephelus spp* | | 114 | 94 | 129 | 129 | 130 | 127 | 153 | 153 | 233 | 147 |
| *Lutjanus spp* | | 16 | 30 | 41 | 35 | 49 | 69 | 61 | 83 | 93 | 70 |
| *Plectropomus maculatus* | | ... | ... | ... | ... | 11 | 18 | 32 | 45 | 67 | 70 |
| *Siganus canaliculatus* | | ... | ... | ... | ... | ... | ... | 7 | 0 | 0 | 0 |
| *Osteichthyes* | | ... | ... | ... | ... | ... | 18 | 0 | 503 | 0 | 0 |
| *Scylla serrata* | | 255 | 213 | 211 | 330 | 256 | 205 | 161 | 195 | 284 | 415 |
| *Panulirus spp* | | 13 | 16 | 11 | 16 | 24 | 39 | 39 | 33 | 41 | 32 |
| *Penaeus japonicus* | | ... | ... | ... | ... | ... | 5 | 4 | 0 | 0 | 0 |
| *Penaeus merguiensis* | | 40 | 85 | 118 | 106 | 72 | 54 | 78 | 55 | 57 | 77 |
| *Mytilus smaragdinus* | | 526 | 618 | 617 | 1 020 | 1 192 | 1 229 | 1 015 | 694 | 1 182 | 1 290 |
| *Fish and shellfish* | Q | *1 149* | *1 225* | *1 330* | *1 855* | *1 969* | *1 965* | *1 857* | *2 000* | *2 350* | *2 328* |
| *Poissons et fruits de mer* | V | *3 733* | *2 315* | *2 901* | *3 185* | *4 924* | *5 552* | *6 459* | *10 736* | *10 216* | *8 141* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Slovakia** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | | | | | | 800 |
| *Esox lucius* | | | | | | | | | | | 2 |
| *Oncorhynchus mykiss* | | | | | | | | | | | 776 |
| *Salvelinus fontinalis* | | | | | | | | | | | 10 |
| *Fish and shellfish* | Q | | | | | | | | | | *1 588* |
| *Poissons et fruits de mer* | V | | | | | | | | | | *4 119* |
| *Peces y manscos* | | | | | | | | | | | |
| **Solomon Is** | | | | | | | | | | | |
| *Macrobrachium rosenbergii* | | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus monodon* | | | | | 6 | 5 | 3 | 5 | 6 | 6 F | 6 F |
| *Fish and shellfish* | Q | *28* | *0* | *0* | *6* | *5* | *3* | *5* | *6* | *6 F* | *6 F* |
| *Poissons et fruits de mer* | V | *205* | *0* | *0* | *60* | *75* | *54* | *125* | *150* | *120 F* | *108 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **South Africa** | | | | | | | | | | | |
| *Carassius auratus* | | | | | | 15 | 21 | 23 | 25 | 32 | 35 F |
| *Cyprinidae* | | | 1 F | 1 F | 2 F | 5 | 5 | 6 | 6 | 6 | 7 F |
| *Cyprinus carpio* | | | | | | 5 | 10 | 20 | 35 | 48 | 48 F |
| *Oreochromis (=Tilapia) spp* | | | | 12 F | 12 F | 20 | 20 | 30 | 40 | 55 | 60 F |
| *Clarias spp* | | 0 | 0 | 0 | 10 | 137 | 203 | 850 | 1 150 | 450 | 450 F |
| *Oncorhynchus mykiss* | | 350 F | 400 F | 560 F | 600 F | 600 | 620 | 950 | 1 220 | 990 | 990 F |
| *Mugilidae* | | | 20 | 20 | 20 F | 20 | 20 | 20 F | 20 F | 20 F | 30 F |
| *Penaeus monodon* | | - | - | - | - | - | - | - | - | 39 | 40 F |
| *Crassostrea gigas* | | | 151 | 151 | 200 F | 289 | 471 | 596 | 633 | 501 | 309 |
| *Ostrea edulis* | | - | - | - | - | - | - | - | - | 1 | 0 |
| *Mytilus galloprovincialis* | | 0 | 43 | 43 | 252 | 265 | 658 | 1 131 | 1 758 | 1 086 | 1 100 F |
| *Mactra glabrata* | | | | 2 | 0 | 25 | 10 | 5 | 5 | 5 | 5 F |
| *Tapes spp* | | | | | | 5 | 10 | 5 | 0 | 0 | 0 |
| *Pyura stolonifera* | | | | | | 5 | 10 | 20 | 35 | 30 | 30 F |
| *Fish and shellfish* | Q | *350 F* | *615 F* | *789 F* | *1 096 F* | *1 391* | *2 058* | *3 656* | *4 927* | *3 263* | *3 104 F* |
| *Poissons et fruits de mer* | V | *2 434 F* | *2 438 F* | *3 395 F* | *4 705 F* | *7 328* | *9 249* | *14 076* | *17 843* | *15 345* | *14 741 F* |
| *Peces y manscos* | | | | | | | | | | | |
| *Crocodylidae* | | 0 | 10 F | 1 F | 10 F | 38 F | 50 | 50 F | 50 F | 50 F | 60 F |
| *Algae* | | 30 F | 150 F | 150 F | 200 F | 250 | 260 | 260 | 285 | 309 | 300 F |
| *Other aquatic organisms* | Q | *30 F* | *160 F* | *151 F* | *210 F* | *288 F* | *310* | *310 F* | *335 F* | *359 F* | *360 F* |
| *Autres organismes aquatiques* | V | *125 F* | *525 F* | *441 F* | *762 F* | *1 194 F* | *1 174* | *1 204 F* | *1 238 F* | *1 168 F* | *1 260 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Spain** | | | | | | | | | | | |
| *Tinca tinca* | | 150 F | 250 F | 300 F | 350 F | 450 | 463 | 350 | 396 | 403 | 400 F |
| *Anguilla anguilla* | | 15 | 20 | 25 | 37 | 32 | 57 | 130 | 98 | 100 F | 100 F |
| *Oncorhynchus kisutch* | | 4 | 4 | 4 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Oncorhynchus mykiss* | | 13 812 | 11 594 | 14 100 | 11 459 | 16 000 | 15 000 | 18 000 | 18 000 | 18 482 | 19 000 |
| *Oncorhynchus spp* | | ... | ... | ... | 325 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Salmo salar* | | 150 | 150 | 150 | 150 | 150 F | 150 | 355 | 553 | 782 | 562 |
| *Salmo spp* | | ... | ... | ... | ... | 36 | 36 | 40 | 0 | 0 | 0 |
| *Psetta maxima maxima* | | ... | 38 | 40 | 50 | 97 | 271 | 640 | 826 | 1 626 | 1 675 |
| *Solea vulgaris* | | ... | 7 | 10 | 6 | 6 F | 8 | 7 | 9 | 9 | 9 |
| *Dicentrarchus labrax* | | ... | 11 | 31 | 38 | 29 | 24 | 31 | 92 | 143 | 370 |
| *Sparus aurata* | | ... | 127 | 124 | 109 | 153 | 344 | 565 | 1 073 | 1 675 | 2 007 |
| *Mugilidae* | | ... | 95 | 165 | 90 | 75 F | 64 | 118 | 56 | 56 F | 60 F |
| *Seriola dumerili* | | ... | 13 | 9 | 20 | 13 | 17 | 21 | 31 | 31 F | 30 F |
| *Thunnus thynnus* | | ... | 38 | 60 | 99 | 47 | 237 | 358 | 16 | 16 F | 20 F |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | 971 | 201 | 254 | 298 |
| *Astacus spp, Cambarus spp* | | ... | ... | ... | ... | ... | ... | 6 | 5 | 5 | 5 F |
| *Procambarus clarkii* | | ... | ... | ... | 3 100 | 2 689 | 2 690 | 2 500 | 2 213 | 2 200 F | 2 000 F |
| *Maja squinado* | | ... | ... | ... | 52 | 26 | 8 | .. | . | . | .. |
| *Palinurus spp* | | ... | ... | ... | 41 | 41 | 19 | ... | ... | ... | .. |
| *Palaemon serratus* | | ... | ... | 40 | 40 | 12 | 15 | 160 | 60 | 60 F | 50 F |
| *Penaeus japonicus* | | ... | 16 | 16 | 20 | 55 | 54 | 41 | 32 | 42 | 55 |
| *Ostrea edulis* | | 3 000 | 3 264 | 3 174 | 3 156 | 3 269 | 3 289 | 2 857 | 2 247 | 2 662 | 2 697 |
| *Mytilus edulis* | | 230 000 | 245 655 | 246 995 | 245 455 | 243 010 | 193 010 | 173 300 | 195 220 | 138 910 | 90 481 |
| *Pecten maximus* | | ... | 150 | 150 | 128 | 119 | 119 | 120 | 120 | 333 | 517 |
| *Ruditapes decussatus* | | 295 | 706 | 693 | 425 | 3 541 | 3 860 | 4 157 | 3 922 | 3 645 | 3 569 |
| *Veneridae* | | ... | ... | ... | 2 | 2 | 2 | 2 | 3 | 3 F | 2 F |
| *Fish and shellfish* | Q | *247 426* | *262 138* | *266 086* | *265 164* | *269 852* | *219 737* | *204 729* | *225 173* | *171 437 F* | *123 907 F* |
| *Poissons et fruits de mer* | V | *209 226* | *221 010* | *229 800* | *252 675* | *294 647* | *339 750* | *356 837* | *346 455* | *258 824 F* | *245 854 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Sri Lanka** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 3 000 F | 3 500 F | 4 000 F | 4 500 F | 5 000 F | 5 000 F | 4 500 F | 4 000 F | 3 500 F | 3 000 F |
| *Penaeus monodon* | | 10 | 250 | 400 | 500 F | 669 F | 700 F | 650 F | 700 F | 750 F | 750 F |
| *Fish and shellfish* | Q | *3 010 F* | *3 750 F* | *4 400 F* | *5 000 F* | *5 669 F* | *5 700 F* | *5 150 F* | *4 700 F* | *4 250 F* | *3 750 F* |
| *Poissons et fruits de mer* | V | *1 850 F* | *3 350 F* | *4 400 F* | *5 200 F* | *7 849 F* | *10 250 F* | *9 570 F* | *9 440 F* | *9 450 F* | *8 850 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **St Kitts Nev** | | | | | | | | | | | |
| *Penaeus vannamei* | | ... | ... | ... | ... | ... | ... | ... | 3 F | 3 F | 3 F |
| *Fish and shellfish* | Q | ... | ... | ... | ... | ... | ... | ... | *3 F* | *3 F* | *3 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | ... | ... | ... | *18 F* | *20 F* | *20 F* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sudan** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 10 | 30 | 41 | 43 | 45 | 100 F | 234 | 203 | 200 F | 200 F |
| *Fish and shellfish* | *Q* | *10* | *30* | *41* | *43* | *45* | *100 F* | *234* | *203* | *200 F* | *200 F* |
| *Poissons et fruits de mer* | *V* | *13* | *26* | *25* | *34* | *23* | *50 F* | *117* | *187* | *190 F* | *196 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Suriname** | | | | | | | | | | | |
| *Osteichthyes* | | ... | | | | | | | | 3 F | 3 F |
| *Macrobrachium rosenbergii* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | *Q* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *3 F* | *3 F* |
| *Poissons et fruits de mer* | *V* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *0* | *7 F* | *8 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Swaziland** | | | | | | | | | | | |
| *Osteichthyes* | | 8 | 12 | 18 | 19 | 20 | 20 F | 20 F | 20 F | 20 F | 25 F |
| *Fish and shellfish* | *Q* | *8* | *12* | *18* | *19* | *20* | *20 F* | *20 F* | *20 F* | *20 F* | *25 F* |
| *Poissons et fruits de mer* | *V* | *4* | *12* | *29* | *37* | *40* | *40 F* | *40 F* | *42 F* | *42 F* | *53 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Sweden** | | | | | | | | | | | |
| *Cyprinus carpio* | | 2 | 1 | ... | ... | 0 | 0 | 0 | 0 | 0 | 0 |
| *Anguilla anguilla* | | 15 | 47 | 59 | 193 | 233 | 190 | 179 | 160 | 195 | 192 |
| *Oncorhynchus mykiss* | | 1 849 | 2 532 | 3 785 | 4 388 | 6 783 | 6 634 | 7 100 | 5 834 | 5 124 | 4 865 |
| *Salmo salar* | | 118 | 81 | 160 | 224 | 363 | 771 | 602 | 270 | 388 | 4 |
| *Salmo trutta* | | 1 | 5 | 2 | 2 | 0 | 0 | 4 | 3 | 2 | 4 |
| *Salvelinus spp* | | 1 | 5 | 22 | 27 | 77 | 98 | 90 | 85 | 73 | 114 |
| *Astacus spp, Cambarus spp* | | 2 | 1 | 1 | 1 | 3 | 4 | 8 | 8 | 8 | 11 |
| *Ostrea edulis* | | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Mytilus edulis* | | 1 278 | 415 | 325 | 2 556 | 858 | 241 | 1 163 | 1 643 | 1 353 | 737 |
| *Fish and shellfish* | *Q* | *3 268* | *3 087* | *4 354* | *7 391* | *8 317* | *7 938* | *9 146* | *8 003* | *7 143* | *5 927* |
| *Poissons et fruits de mer* | *V* | *6 481* | *7 565* | *13 364* | *23 358* | *31 591* | *26 420* | *31 970* | *32 117* | *23 100* | *19 311* |
| *Peces y manscos* | | | | | | | | | | | |
| **Switzerland** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | | 30 | 30 | 30 | 30 | 35 |
| *Osteichthyes* | | | | .. | ... | ... | 11 | 10 | 100 | 100 | 100 |
| *Oncorhynchus mykiss* | | 272 | 270 | 271 | 252 | 254 | 1 050 | 940 | 1 100 | 1 100 | 1 100 |
| *Fish and shellfish* | *Q* | *272* | *270* | *271* | *252* | *254* | *1 091* | *980* | *1 230* | *1 230* | *1 235* |
| *Poissons et fruits de mer* | *V* | *1 510* | *1 443* | *1 970* | *2 202* | *2 611* | *9 248* | *8 301* | *11 695* | *11 920* | *11 366* |
| *Peces y manscos* | | | | | | | | | | | |

# C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Syria** | | | | | | | | | | | |
| *Cyprinus carpio* | | 1 200 F | 1 205 | 1 289 | 1 289 F | 1 289 F | 1 500 F | 2 133 | 2 400 F | 3 850 F | 3 900 F |
| *Oreochromis (=Tilapia) spp* | | 225 F | 225 | 357 | 357 F | 357 F | 400 F | 596 | 617 F | 982 F | 1 000 F |
| *Oncorhynchus mykiss* | | 100 F | 100 | 84 | 84 F | 84 F | 60 F | 60 F | 50 F | 75 F | 100 F |
| *Fish and shellfish* | Q | *1 525 F* | *1 530* | *1 730* | *1 730 F* | *1 730 F* | *1 960 F* | *2 789* | *3 067 F* | *4 907 F* | *5 000 F* |
| *Poissons et fruits de mer* | V | *4 399 F* | *4 417* | *10 801* | *10 785 F* | *10 785 F* | *10 290 F* | *13 747* | *14 202 F* | *22 716 F* | *23 160 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Tanzania** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 15 | 21 | 32 | 35 | 37 | 375 | 375 | 400 F | 400 F | 500 F |
| *Fish and shellfish* | Q | *15* | *21* | *32* | *35* | *37* | *375* | *375* | *400 F* | *400 F* | *500 F* |
| *Poissons et fruits de mer* | V | *25* | *48* | *84* | *55* | *26* | *317* | *385* | *440 F* | *480 F* | *600 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Eucheuma spp* | | | | | | | 600 F | 1 200 F | 4 800 F | 5 000 F | 5 000 F |
| *Other aquatic organims* | Q | | | | | | *600 F* | *1 200 F* | *4 800 F* | *5 000 F* | *5 000 F* |
| *Autres organismes aquatiques* | V | | | | | | *90 F* | *180 F* | *720 F* | *1 000 F* | *1 000 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Thailand** | | | | | | | | | | | |
| *Cirrhinus mrigala* | | 3 | 81 | 101 | 109 | 224 | 217 | 250 | 212 | 304 | 310 |
| *Cyprinus carpio* | | 1 212 | 1 549 | 1 858 | 2 132 | 2 473 | 1 967 | 2 100 | 2 474 | 2 386 | 2 433 |
| *Hypophthalmichthys molitrix* | | 1 220 | 1 011 | 1 774 | 1 602 | 1 047 | 875 | 1 000 F | 1 157 | 1 264 | 1 290 |
| *Labeo rohita* | | 489 | 796 | 755 | 840 | 1 650 | 965 | 900 | 988 | 1 137 | 1 160 |
| *Probarbus jullieni* | | 17 | 9 | 1 | 12 | 13 | 0 | 0 | 0 | 0 | 0 |
| *Puntius gonionotus* | | 4 915 | 7 311 | 8 791 | 11 145 | 12 973 | 13 370 | 14 695 | 16 275 | 23 839 | 24 316 |
| *Oreochromis mossambicus* | | 2 346 | 1 432 | 879 | 476 | 320 | 394 | 0 | 0 | 112 | 125 |
| *Oreochromis niloticus* | | 7 954 | 15 110 | 18 366 | 16 980 | 18 810 | 21 115 | 22 895 | 27 800 | 43 435 | 44 814 |
| *Anabas testudineus* | | 930 | 925 | 835 | 724 | 791 | 1 014 | 145 | 828 | 826 | 828 |
| *Channa micropeltes* | | 183 | 630 | 386 | 325 | 198 | 295 | 500 F | 700 F | 905 | 923 |
| *Channa striatus* | | 4 863 | 7 364 | 5 986 | 3 294 | 4 040 | 3 732 | 3 800 | 5 560 | 4 714 | 4 809 |
| *Clarias spp* | | 4 598 | 6 394 | 15 817 | 13 875 | 12 551 | 12 385 | 17 900 | 29 136 | 23 775 | 24 250 |
| *Fluta alba* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Notopterus spp* | | 31 | 26 | 33 | 21 | 7 | 2 | 0 | 0 | 8 | 8 |
| *Osphronemus goramy* | | 1 | 0 | 4 | 5 | 4 | 6 | 6 F | 3 | 8 | 8 |
| *Osteichthyes* | | 151 | 98 | 195 | 280 | 261 | 19 | 20 F | 1 600 | 1 162 | 1 187 |
| *Oxyeleotris marmorata* | | 281 | 817 | 836 | 162 | 616 | 494 | 550 | 350 F | 39 | 40 |
| *Pangasius pangasius* | | 8 174 | 13 786 | 12 574 | 11 822 | 20 353 | 13 539 | 13 340 | 14 518 | 14 183 | 14 660 |
| *Trichogaster pectoralis* | | 11 780 | 16 578 | 16 130 | 14 269 | 14 901 | 13 196 | 12 800 | 13 300 | 12 958 | 13 218 |
| *Trichogaster spp* | | 281 | 315 | 344 | 355 | 310 | 344 | 250 F | 217 | 194 | 200 |
| *Lates calcarifer* | | 548 | 584 | 823 | 1 183 | 1 034 | 1 290 | 1 005 | 1 650 | 2 596 | 2 806 |
| *Epinephelus spp* | | 149 | 117 | 161 | 343 | 358 | 447 | 415 | 355 | 916 | 1 000 |
| *Mugilidae* | | 391 | 268 | 261 | 307 | 139 | 108 | | . . | 169 | 171 |
| *Macrobrachium rosenbergii* | | 3 103 | 2 457 | 4 507 | 11 839 | 11 837 | 7 949 | 6 503 | 7 800 | 10 306 | 10 513 |
| *Scylla serrata* | | 115 | 178 | 223 | 113 | 32 | 30 F | 30 F | 30 F | 39 | 50 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Metapenaeus spp* | | 2 653 | 3 635 | 3 672 | 2 703 | 3 560 | 2 498 | 2 000 F | 970 | 693 | 1 000 |
| *Penaeus merguiensis* | | 8 657 | 10 397 | 11 031 | 8 843 | 9 226 | 8 270 | 7 670 | 5 812 | 4 752 | 5 500 |
| *Penaeus monodon* | | 170 | 106 | 897 | 10 544 | 40 774 | 81 492 | 107 970 | 155 069 | 179 358 | 210 000 |
| *Penaeus spp* | | 1 527 | 1 702 | 2 286 | 1 476 | 2 073 | 1 236 | 1 870 | 200 | 81 | 100 |
| *Crassostrea spp* | | 4 851 | 3 516 | 580 | 1 483 | 1 858 | 1 399 | 1 400 | 3 311 | 3 774 | 4 000 |
| *Modiolus spp* | | 1 608 | 361 | 272 | 818 | 652 | 46 | 1 000 | 1 092 | 4 003 | 4 285 |
| *Mytilus smaragdinus* | | 26 217 | 25 906 | 11 095 | 46 783 | 44 237 | 58 669 | 58 400 | 35 500 | 14 032 | 20 000 |
| *Anadara granosa* | | 12 512 | 12 375 | 6 928 | 9 609 | 11 774 | 12 822 | 12 300 | 26 442 | 18 804 | 20 131 |
| *Rana spp* | | ... | 4 | 15 | 20 | 5 | 6 | 5 | 18 | 131 | 134 |
| *Testudinata* | | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *111 933* | *135 841* | *128 417* | *174 492* | *219 101* | *260 191* | *291 719* | *353 367* | *370 903* | *414 269* |
| *Poissons et fruits de mer* | V | *108 335* | *114 994* | *147 479* | *239 578* | *501 429* | *533 121* | *775 801* | *1 097 875* | *1 169 053* | *1 478 097* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Togo** | | | | | | | | | | | |
| *Oreochromis niloticus* | | 40 | 30 | 9 | 9 | 5 | 5 F | 14 | 14 | 150 | 150 |
| *Fish and shellfish* | Q | *40* | *30* | *9* | *9* | *5* | *5 F* | *14* | *14* | *150* | *150* |
| *Poissons et fruits de mer* | V | *46* | *34* | *16* | *19* | *11* | *10 F* | *26* | *27* | *270* | *266* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Trinidad Tob** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | ... | ... | ... | ... | ... | 2 F | 2 F | 3 | 3 F | 4 F |
| *Macrobrachium rosenbergii* | | ... | ... | ... | ... | ... | ... | ... | 6 | 6 F | 6 F |
| *Fish and shellfish* | Q | ... | ... | ... | ... | ... | *2 F* | *2 F* | *9* | *9 F* | *10 F* |
| *Poissons et fruits de mer* | V | ... | ... | ... | ... | ... | *4 F* | *4 F* | *50* | *49 F* | *51 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Tunisia** | | | | | | | | | | | |
| *Anguilla anguilla* | | ... | ... | ... | ... | ... | ... | 144 | 150 F | 151 | 250 F |
| *Solea vulgaris* | | ... | ... | ... | ... | ... | ... | 1 | 0 | 0 | 0 |
| *Dicentrarchus labrax* | | 2 | 15 | 30 | 40 | 316 | 300 F | 283 | 305 | 161 | 419 |
| *Diplodus spp* | | ... | ... | ... | ... | ... | ... | 90 | 90 F | 136 | 52 |
| *Epinephelus spp* | | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 1 F |
| *Sparus aurata* | | 15 | 5 | 20 | 25 | 194 | 120 F | 85 | 3 | 131 | 95 F |
| *Liza ramada* | | ... | 5 | 10 | 7 | 55 | 10 | 2 | 8 F | 20 | 63 F |
| *Mugil cephalus* | | ... | ... | ... | 5 F | 42 F | 20 F | 5 F | 42 F | 119 F | 337 F |
| *Pomatomus saltatrix* | | ... | ... | ... | ... | ... | ... | ... | ... | 29 | ... |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | 197 | 170 F | 30 | - |
| *Crustacea* | | ... | ... | ... | ... | ... | ... | 3 | 0 | 0 | 0 |
| *Crassostrea gigas* | | 4 | 12 | 20 | 25 | 73 | 70 F | 7 | 5 | 5 F | - |
| *Mytilus galloprovincialis* | | 95 | 110 | 102 | 110 | 313 | 300 F | 165 | 128 | 50 | 130 |
| *Tapes spp* | | ... | ... | ... | ... | ... | ... | 10 | 7 | 10 F | 20 |
| *Octopus spp* | | ... | ... | ... | ... | ... | ... | 10 | 10 F | 0 | 0 |
| *Sepia officinalis* | | ... | ... | ... | ... | ... | ... | 17 | 10 F | 0 | 0 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fish and shellfish* | *Q* | *116* | *147* | *182* | *212 F* | *993 F* | *820 F* | *1 019 F* | *928 F* | *844 F* | *1 367 F* |
| *Poissons et fruits de mer* | *V* | *71* | *165* | *369* | *497 F* | *2 041 F* | *2 220 F* | *4 441 F* | *4 705 F* | *7 129 F* | *9 448 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Turkey** | | | | | | | | | | | |
| *Cyprinidae* | | - | - | - | - | - | - | 111 | 33 | 33 | 30 F |
| *Cyprinus carpio* | | 1 624 | 1 800 | 2 050 | 2 100 | 2 200 | 1 033 | 1 025 | 364 | 251 | 250 F |
| *Salmo spp* | | 602 | 900 F | 990 | 1 105 | 1 765 | 2 471 | 3 212 | 4 146 | 6 393 | 6 850 F |
| *Salmonoidei* | | - | - | - | - | - | - | 300 | 1 500 | 680 | 791 |
| *Dicentrarchus spp* | | . | . | .. | 5 | 5 | 51 | 102 | 777 | 808 | 500 F |
| *Diplodus sargus sargus* | | | | 1 | 25 | 30 | 1 | 1 | 100 | 100 | 100 F |
| *Sparus aurata* | | | | 34 | 65 | 100 | 798 | 1 031 | 910 | 937 | 330 F |
| *Mugilidae* | | - | - | - | - | - | - | - | 5 | 5 | 5 F |
| *Fish and shellfish* | *Q* | *2 226* | *2 700 F* | *3 075* | *3 300* | *4 100* | *4 354* | *5 782* | *7 835* | *9 207* | *8 856 F* |
| *Poissons et fruits de mer* | *V* | *5 767* | *7 650 F* | *8 977* | *10 508* | *14 818* | *27 481* | *39 361* | *71 067* | *70 022* | *58 771 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Turks Caicos** | | | | | | | | | | | |
| *Reptantia* | | | | | | | | | 0 | 0 | 0 |
| *Strombus spp* | | . | | . | 360 | 100 F | 10 F | 5 F | 2 | 2 | 1 |
| *Fish and shellfish* | *Q* | | ... | ... | *360* | *100 F* | *10 F* | *5 F* | *2* | *2* | *1* |
| *Poissons et fruits de mer* | *V* | ... | .. | | *864* | *500 F* | *60 F* | *35 F* | *16* | *31* | *15* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Uganda** | | | | | | | | | | | |
| *Cyprinus carpio* | | 26 | 20 | 14 | 11 | 10 | 15 F | 20 F | 25 F | 35 F | 40 |
| *Oreochromis niloticus* | | 5 | 13 | 21 | 21 | 18 | 20 F | 24 F | 28 F | 32 F | 36 |
| *Tilapia zillii* | | | . | . | 6 | 6 | 7 F | 8 F | 10 F | 10 F | 11 |
| *Fish and shellfish* | *Q* | *31* | *33* | *35* | *38* | *34* | *42 F* | *52 F* | *63 F* | *77 F* | *87* |
| *Poissons et fruits de mer* | *V* | *10* | *7* | *7* | *7* | *7* | *12 F* | *18 F* | *32 F* | *47 F* | *68* |
| *Peces y mariscos* | | | | | | | | | | | |
| **Ukraine** | | | | | | | | | | | |
| *Abramis brama* | | | | | | | | | | - | 21 |
| *Aristichthys nobilis* | | | | . | | | | | | 4 260 | 4 385 |
| *Carassius auratus* | | .. | . | . | | | | | | - | 309 |
| *Ctenopharyngodon idellus* | | . | | .. | .. | | | | | 200 | 193 |
| *Cyprinidae* | | . | . | . | | | | | | 640 | - |
| *Cyprinus carpio* | | | | . | | . | | | | 44 682 | 43 937 |
| *Hypophthalmichthys molitrix* | | | | . | | | | | | 9 941 | 10 231 |
| *Ictalurus punctatus* | | | . | | | | | | | 1 983 | 1 905 |
| *Ictiobus spp* | | | | . | | | | | | 2 | 2 |
| *Osteichthyes* | | | | | | | | | | 4 420 | 4 342 |
| *Stizostedion lucioperca* | | | . | . | | | | | | - | 2 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Acipensendae* | | | | | | | | | | 34 | 8 |
| *Oncorhynchus mykiss* | | | | | | | | | | 531 | 520 |
| *Mugilidae* | | | | | | | | | | 3 | 75 |
| *Mytilus galloprovincialis* | | | | | | | | | .. | 208 | 187 |
| *Fish and shellfish* | Q | | | | | | | | | *66 904* | *66 117* |
| *Poissons et fruits de mer* | V | | | | | | | | .. | *106 587* | *112 297* |
| *Peces y manscos* | | | | | | | | | | | |
| **Untd Arab Em** | | | | | | | | | | | |
| *Oreochromis aureus* | | | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Epinephelus tauvina* | | | .. | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Siganus canaliculatus* | | 7 | 7 | 7 | 3 | 6 | 2 | 2 F | 2 F | 2 F | 3 F |
| *Mugilidae* | | | .. | ... | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus semisulcatus* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *7* | *7* | *7* | *9* | *6* | *2* | *2 F* | *2 F* | *2 F* | *3 F* |
| *Poissons et fruits de mer* | V | *32* | *19* | *19* | *12* | *17* | *6* | *6 F* | *6 F* | *7 F* | *11 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Uruguay** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | . | . | .. | | . . | 1 | 1 |
| *Rhamdia sapo* | | | . | | 3 F | 4 | 3 F | 3 F | 3 F | 5 | 2 |
| *Penaeus spp* | | | | | | . | | | .. | 1 | 2 |
| *Fish and shellfish* | Q | | | | *3 F* | *4* | *3 F* | *3 F* | *3 F* | *7* | *5* |
| *Poissons et fruits de mer* | V | | | | *9 F* | *12* | *9 F* | *11 F* | *12 F* | *37* | *34* |
| *Peces y manscos* | | | | | | | | | | | |
| **Uzbekistan** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | . | | | | 7 011 | 7 573 |
| *Hypophthalmichthys molitrix* | | | | | | . | | | . | 11 740 | 11 418 |
| *Oncorhynchus mykiss* | | | | | | | | | | | 52 |
| *Fish and shellfish* | Q | | | | | | | | | *18 751* | *19 043* |
| *Poissons et fruits de mer* | V | | | | | | | | | *46 878* | *47 660* |
| *Peces y manscos* | | | | | | | | | | | |
| **UK Engld Wal** | | | | | | | | | | | |
| *Cyprinus carpio* | | 50 | 150 | 100 | 120 | 120 F | 200 | 50 | 50 | 50 | 16 |
| *Anguilla anguilla* | | | .. | ... | 20 | 20 | 18 F | 18 F | 15 F | . | |
| *Oncorhynchus mykiss* | | 10 000 | 9 000 | 9 000 | 10 000 | 11 000 | 13 000 | 10 058 | 10 000 | 10 022 | 9 119 |
| *Salmo salar* | | | ... | ... | 20 | 50 F | 50 F | 350 F | 2 F | 2 F | 0 |
| *Salmo trutta* | | 170 | 127 | 140 F | 150 | 180 | 170 F | 150 F | 200 F | 301 | 394 |
| *Salvelinus fontinalis* | | 0 | 0 | 2 F | 2 F | 2 F | 2 F | 2 F | 2 F | 2 | 4 |
| *Pacifastacus leniusculus* | | | | | 2 | 5 | 10 | 15 | 10 | 7 | 3 |
| *Crassostrea spp* | | | | | | 220 | 220 | 220 | 228 | 286 | 290 |
| *Ostrea edulis* | | | | | 80 | 97 | 42 | 151 | 45 | 209 | 190 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Mytilus edulis* | | 1 000 F | 1 200 F | 1 200 F | 1 200 F | 1 500 F | 1 800 F | 1 200 F | 1 867 | 2 944 | 3 238 |
| *Ruditapes decussatus* | | . | . . | | | 24 | 20 F | 10 F | 10 F | 1 | 1 |
| *Ruditapes philippinarum* | | . | | | | | . | 45 F | 50 F | 48 | 51 |
| *Fish and shellfish* | *Q* | *11 220 F* | *10 477 F* | *10 442 F* | *11 594 F* | *13 218 F* | *15 532 F* | *12 269 F* | *12 479* | *13 872* | *13 306* |
| *Poissons et fruits de mer* | *V* | *31 235 F* | *28 476 F* | *28 399 F* | *32 110 F* | *36 417 F* | *43 501 F* | *53 099 F* | *38 936* | *42 036* | *37 417* |
| *Peces y mariscos* | | | | | | | | | | | |
| **UK No Ireld** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 417 | 464 | 520 | 500 | 700 | 850 | 1 000 | 1 000 | 1 000 | 1 000 |
| *Salmo salar* | | . . | | | | . | . . | 62 | 62 | 200 | 100 |
| *Crassostrea gigas* | | 124 | 123 | 126 | 99 | 126 | 200 | 152 | 170 | 210 | 233 |
| *Ostrea edulis* | | . | . . | . | . . . | | 16 | 29 | 21 | 42 | 104 |
| *Mytilus edulis* | | 3 | 4 | 11 | 14 | 24 | 38 | 387 | 1 935 | 38 | 50 F |
| *Cardium edule* | | . . . | . | | | . . | 2 | 3 | 3 | 3 | 4 |
| *Ruditapes philippinarum* | | | . | | | | 0 | 1 | 0 | 0 | 0 |
| *Fish and shellfish* | *Q* | *544* | *591* | *657* | *613* | *850* | *1 106* | *1 634* | *3 191* | *1 493* | *1 491* |
| *Poissons et fruits de mer* | *V* | *1 390* | *1 463* | *1 919* | *2 058* | *3 114* | *4 033* | *5 221* | *5 057* | *6 415* | *6 122* |
| *Peces y mariscos* | | | | | | | | | | | |
| **UK Scotland** | | | | | | | | | | | |
| *Oncorhynchus mykiss* | | 1 936 | 2 196 | 2 357 | 3 207 | 3 555 | 3 512 | 3 941 | 3 334 | 4 120 | 4 022 |
| *Salmo salar* | | 3 912 | 6 921 | 10 337 | 12 721 | 17 951 | 28 553 | 31 592 | 40 593 | 36 100 | 48 691 |
| *Crassostrea gigas* | | . | . . . | 90 | 116 | 131 | 100 | 110 | 184 | 205 | 204 |
| *Ostrea edulis* | | . . | . | . . . | . . . | 2 | 2 | 4 | 10 | 15 | 16 |
| *Mytilus edulis* | | . | | 350 | 671 | 600 | 440 | 457 | 1 024 | 898 | 923 |
| *Chlamys opercularis* | | . . . | . . | 4 | 128 | 172 | 100 F | 54 | 61 | 62 | 62 |
| *Pecten maximus* | | . . . | | 25 | 21 | 9 | 11 F | 13 | 38 | 59 | 59 |
| *Ruditapes decussatus* | | . . | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | *Q* | *5 848* | *9 117* | *13 163* | *16 865* | *22 420* | *32 718* | *36 171* | *45 244* | *41 459* | *53 977* |
| *Poissons et fruits de mer* | *V* | *31 236* | *51 575* | *74 786* | *93 579* | *119 898* | *155 138* | *156 347* | *184 282* | *178 119* | *240 103* |
| *Peces y mariscos* | | | | | | | | | | | |
| **USA** | | | | | | | | | | | |
| *Cyprinidae* | | 2 090 | 3 500 | 3 700 | . . . | 2 500 F | 2 500 F | 658 | 1 542 | 1 659 | 2 285 |
| *Notemigonus crysoleucas* | | 19 000 | 7 776 | 7 776 | 11 818 | 8 500 F | 8 500 F | 9 802 | 9 608 | 9 352 | 9 332 |
| *Oreochromis (=Tilapia) spp* | | . . . | 5 | . . . | | 20 F | 50 F | 2 041 | 2 041 | 4 082 | 5 670 |
| *Ictalurus punctatus* | | 109 000 | 122 853 | 148 627 | 169 091 | 164 091 | 182 727 | 163 491 | 177 297 | 207 460 | 224 874 |
| *Osteichthyes* | | 4 500 | 4 600 | 4 700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Acipensendae* | | . . . | . . . | . . . | 5 F | 25 F | 25 F | 30 F | 25 F | 25 F | 30 F |
| *Oncorhynchus kisutch* | | 1 136 | 1 531 | 1 151 | 1 528 | 1 616 | 613 | 169 | 222 | 67 | 41 |
| *Oncorhynchus mykiss* | | 22 700 | 23 403 | 23 207 F | 25 499 F | 26 885 | 25 805 | 26 414 | 27 428 | 26 057 | 25 325 |
| *Oncorhynchus tshawytscha* | | 0 | 0 | 0 | 0 | 0 | 393 | 205 | 241 | 227 | 136 |
| *Salmo salar* | | . . . | . . . | 8 | 113 | 898 | 2 554 | 3 185 | 6 661 | 10 028 | 10 750 |
| *Macrobrachium rosenbergii* | | 144 | 131 | 81 | 91 | 130 | 159 | 184 | 184 | 147 | 159 |
| *Procambarus clarkii* | | 27 000 | 29 545 | 44 318 | 43 182 | 29 931 | 30 000 | 32 205 | 27 481 | 28 591 | 25 757 |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Penaeus setiferus* | | 67 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus vannamei* | | 159 | 95 | 615 | 1 207 | 1 000 | 682 | 900 | 1 600 | 2 000 | 3 000 |
| *Haliotis spp* | • | . | 23 | 281 | . . . | 56 | . . | . . . | . . . | . . . | . |
| *Crassostrea gigas* | | 32 241 | 28 645 | 38 474 | 40 449 | 37 451 | 32 971 | 34 644 | 32 707 | 31 202 | 39 053 |
| *Crassostrea virginica* | | 102 889 | 95 740 | 89 268 | 80 893 | 78 861 | 76 807 | 31 835 | 69 013 | 83 544 | 74 611 |
| *Ostrea edulis* | | 61 | 62 | 48 | 21 | 136 | 29 | 34 | 34 | 21 | 51 |
| *Ostrea lunda* | | 10 | 9 | 28 | 27 | 149 | 25 | 26 | 23 | 25 | 21 |
| *Mytilus edulis* | | 1 946 | 1 969 | 2 560 | 2 663 | 1 988 | 1 397 | 1 378 | 378 | 639 | 698 |
| *Bivalvia* | | 79 | 34 | 36 | 10 | 3 | 2 | 3 | 3 | 4 | 1 |
| *Cardiidae* | | . | . . . | . | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| *Mercenaria mercenaria* | | 1 942 | 1 900 F | 5 134 | 4 500 | 3 582 | 4 161 | 6 691 | 5 713 | 6 371 | 8 856 |
| *Mya arenaria* | | 45 | 184 | 192 | 87 | 64 | 1 | 1 | 33 | 34 | 38 |
| *Panopea abrupta* | | 0 | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Protothaca staminea* | | 275 | 243 | 270 | 452 | 365 | 191 | 170 | 161 | 145 | 115 |
| *Ruditapes philippinarum* | | 1 084 | 1 294 | 1 680 | 1 436 | 1 484 | 1 490 | 1 342 | 1 651 | 1 920 | 2 887 |
| *Saxidomus giganteus* | | 85 | 8 | 32 | 6 | 4 | 5 | 6 | 4 | 5 | 8 |
| *Fish and shellfish* | *Q* | *326 453* | *323 573* | *372 186* | *383 080* | *359 740* | *371 089* | *315 415* | *364 050* | *413 605* | *433 698* |
| *Poissons et fruits de mer* | *V* | *487 141* | *425 255* | *471 289* | *516 556* | *530 125* | *545 394* | *534 013* | *540 576* | *631 980* | *706 678* |
| *Peces y mariscos* | | | | | | | | | | | |
| **USSR** | | | | | | | | | | | |
| *Ctenopharyngodon idellus* | | 993 | 1 092 | 1 070 | 1 119 | 158 | 365 | 2 669 | 1 873 | - | - |
| *Cyprinus carpio* | | 198 091 | 215 530 | 232 235 | 246 860 | 252 877 | 255 721 | 319 782 | 341 117 | - | - |
| *Hypophthalmichthys molitrix* | | 60 000 F | 65 000 F | 78 198 | 88 262 | 98 342 | 87 095 | 70 354 | 77 109 | - | - |
| *Acipensendae* | | 150 F | 150 F | 170 | 150 | 170 | 250 | 68 | 74 | - | - |
| *Coregonus spp* | | 6 500 F | 6 500 F | 6 607 | 7 071 | 5 962 | 5 181 | 3 456 | 3 508 | - | - |
| *Oncorhynchus keta* | | | | 4 | 10 | 9 | 0 | 0 | 0 | - | - |
| *Oncorhynchus nerka* | | | . | 1 | 0 | 2 | 0 | 0 | 0 | - | - |
| *Salmonoidei* | | 1 310 F | 1 310 F | 1 309 | 1 634 | 1 944 | 2 173 | 2 342 | 2 533 | - | - |
| *Pleuronectiformes* | | 0 | 0 | 3 | 3 | 8 | 0 | 20 | 71 | - | - |
| *Mugilidae* | | 100 F | 100 F | 161 | 88 | 77 | - | 40 | 40 | - | - |
| *Mytilus galloprovincialis* | | 70 F | 70 F | 79 | 106 | 170 | 206 | 35 | 1 390 | - | - |
| *Pecten yessoensis* | | 40 F | 40 F | 49 | 62 | 64 | 104 | 124 | 153 | - | - |
| *Fish and shellfish* | *Q* | *267 254 F* | *289 792 F* | *319 886* | *345 365* | *359 783* | *351 095* | *398 890* | *427 868* | - | - |
| *Poissons et fruits de mer* | *V* | *311 397 F* | *324 449 F* | *429 397* | *509 071* | *590 802* | *648 738* | *704 219* | *772 943* | - | - |
| *Peces y mariscos* | | | | | | | | | | | |
| *Phaeophyceae* | | 3 500 F | 3 500 F | 3 615 | 3 459 | 5 000 | 3 070 | 5 388 | 9 742 | - | - |
| *Other aquatic organisms* | *Q* | *3 500 F* | *3 500 F* | *3 615* | *3 459* | *5 000* | *3 070* | *5 388* | *9 742* | - | - |
| *Autres organismes aquatiques* | *V* | *6 027 F* | *5 846 F* | *7 171* | *7 642* | *11 529* | *6 140* | *10 776* | *24 355* | - | - |
| *Otros organismos acuáticos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Venezuela** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | ... | ... | ... | ... | ... | ... | ... | 127 | 91 | 100 F |
| *Colossoma macropomum* | | 200 | 100 | 40 | 300 | 300 | 250 F | 200 F | 143 | 180 | 200 F |
| *Osteichthyes* | | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 F |
| *Prochilodus reticulatus* | | ... | ... | ... | ... | ... | ... | ... | 257 | ... | ... |
| *Oncorhynchus mykiss* | | 243 | 345 | 315 | 268 | 268 | 259 | 212 | 198 | 214 | 252 |
| *Macrobrachium rosenbergii* | | ... | ... | ... | 1 | 5 F | 10 F | 20 F | 31 | 22 | 20 F |
| *Penaeus spp* | | ... | ... | ... | 1 | 50 F | 100 F | 300 F | 551 | 1 363 | 1 400 F |
| *Perna perna* | | 160 | 358 | 50 | 50 F | 50 F | 55 F | 60 F | 68 | 50 F | 70 F |
| *Fish and shellfish* | Q | *603* | *803* | *405* | *620 F* | *673 F* | *674 F* | *792 F* | *1 375* | *1 921* | *2 043 F* |
| *Poissons et fruits de mer* | V | *1 131* | *1 271* | *858* | *872 F* | *1 222 F* | *1 708 F* | *3 356 F* | *6 105* | *11 184* | *11 845 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Gracilaria spp* | | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5 F |
| *Other aquatic organims* | Q | ... | ... | ... | ... | ... | ... | ... | ... | *5* | *5 F* |
| *Autres organismes aquatiques* | V | ... | ... | ... | ... | ... | ... | ... | ... | *1* | *1 F* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Viet Nam** | | | | | | | | | | | |
| *Osteichthyes* | | 100 000 F | 110 000 F | 110 000 F | 115 000 F | 115 000 F | 115 000 F | 115 000 F | 130 000 F | 135 000 F | 135 000 |
| *Crustacea* | | 5 000 | 5 000 | 6 000 | 8 600 | 8 000 | 9 000 F | 10 000 F | 11 000 F | 12 000 | 12 000 F |
| *Reptantia* | | 5 000 F | 5 000 F | 5 000 F | 6 000 F | 6 000 F | 6 000 F | 7 000 F | 7 000 F | 8 000 F | 10 000 F |
| *Penaeus indicus* | | 400 F | 400 F | 500 F | 500 F | 630 F | 960 F | 1 050 F | 1 350 F | 1 500 F | 1 750 F |
| *Penaeus merguiensis* | | 1 600 F | 1 600 F | 2 000 F | 2 000 F | 2 520 F | 3 860 F | 4 200 F | 5 400 F | 6 000 F | 7 000 F |
| *Penaeus monodon* | | 6 000 F | 6 000 F | 7 500 F | 7 500 F | 9 450 F | 14 480 F | 15 750 F | 20 250 F | 22 500 F | 26 250 F |
| *Fish and shellfish* | Q | *118 000 F* | *128 000 F* | *131 000 F* | *139 600 F* | *141 600 F* | *149 300 F* | *153 000 F* | *175 000 F* | *185 000 F* | *192 000 F* |
| *Poissons et fruits de mer* | V | *175 400 F* | *185 400 F* | *203 000 F* | *229 800 F* | *235 400 F* | *327 060 F* | *349 000 F* | *414 200 F* | *464 000 F* | *497 000 F* |
| *Peces y mariscos* | | | | | | | | | | | |
| *Gracilaria spp* | | 1 000 | 1 500 | 1 700 | 1 700 | 1 700 | 1 700 F | 2 000 | 3 000 F | 5 000 F | 5 000 |
| *Other aquatic organims* | Q | *1 000* | *1 500* | *1 700* | *1 700* | *1 700* | *1 700 F* | *2 000* | *3 000 F* | *5 000 F* | *5 000* |
| *Autres organismes aquatiques* | V | *400* | *600* | *680* | *680* | *680* | *680 F* | *800* | *1 200 F* | *2 000 F* | *2 000* |
| *Otros organismos acuáticos* | | | | | | | | | | | |
| **Virgin Is US** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 6 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Fish and shellfish* | Q | *6* | *6* | *7* | *7* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Poissons et fruits de mer* | V | *26* | *26* | *31* | *31* | *0* | *0* | *0* | *0* | *0* | *0* |
| *Peces y mariscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Yugoslav SFR** | | | | | | | | | | | |
| *Cyprinus carpio* | | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 10 000 F | 11 743 F | 6 000 F | - | - |
| *Anguilla anguilla* | | 44 | 52 | 48 | 49 | 19 | 10 | 8 | 5 F | - | - |
| *Salmo spp* | | 100 | 200 | 250 | 250 F | 300 | 300 F | 300 F | 200 F | - | - |
| *Dicentrarchus spp* | | .. | 20 | 100 | 50 F | 70 F | 200 F | 160 F | 100 F | - | - |
| *Sparus aurata* | | 2 | 5 | 10 | 35 F | 60 | 100 F | 50 F | 30 F | - | - |
| *Ostrea edulis* | | 181 | 78 | 154 | 64 | 48 | 185 | 79 | 45 F | - | - |
| *Mytilus galloprovincialis* | | 1 290 | 731 | 1 085 | 1 076 | 1 370 | 1 093 | 650 | 371 F | - | - |
| *Fish and shellfish* | Q | *11 617 F* | *11 086 F* | *11 647 F* | *11 524 F* | *11 867 F* | *11 888 F* | *12 990 F* | *6 751 F* | | - |
| *Poissons et fruits de mer* | V | *27 294 F* | *27 040 F* | *28 815 F* | *28 139 F* | *28 866 F* | *33 133 F* | *35 122 F* | *18 423 F* | - | - |
| *Peces y manscos* | | | | | | | | | | | |
| **YugoslaviaFR** | | | | | | | | | | | |
| *Cyprinus carpio* | | | | | | .. | .. | .. | | 1 350 F | 1 400 F |
| *Anguilla anguilla* | | | | | | .. | | | | 1 | 8 |
| *Mytilus galloprovincialis* | | | | | | | | | | 1 | 1 |
| *Fish and shellfish* | Q | | | | | | | | | *1 352 F* | *1 409 F* |
| *Poissons et fruits de mer* | V | | | | | .. | | | | *3 387 F* | *3 581 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Zaire** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 81 | 180 | 689 | 723 | 759 | 760 F | 700 F | 700 F | 730 F | 700 F |
| *Fish and shellfish* | Q | *81* | *180* | *689* | *723* | *759* | *760 F* | *700 F* | *700 F* | *730 F* | *700 F* |
| *Poissons et fruits de mer* | V | *135* | *291* | *1 171* | *1 322* | *1 264* | *710 F* | *651 F* | *770 F* | *803 F* | *770 F* |
| *Peces y manscos* | | | | | | | | | | | |
| **Zambia** | | | | | | | | | | | |
| *Cyprinus carpio* | | 3 | 9 | 8 | 31 | 33 | 40 F | 60 F | 100 F | 150 F | 175 |
| *Oreochromis (=Tilapia) spp* | | 31 | 40 | 62 | 71 | 75 | 100 F | 200 | 600 | 900 | 1 155 |
| *Oreochromis andersonii* | | 306 | 314 | 625 | 918 | 964 | 960 F | 1 000 F | 1 200 F | 1 800 F | 2 100 |
| *Oreochromis macrochir* | | | | | 25 | 25 | 23 | 60 F | 200 F | 230 F | 350 |
| *Oreochromis niloticus* | | | | | 6 | 10 | 12 | 40 F | 50 F | 70 F | 105 |
| *Tilapia rendalli* | | | | | 40 | 40 | 45 F | 100 F | 300 F | 500 F | 700 |
| *Clarias ganepinus* | | | | | | | . | | 20 F | 50 F | 70 |
| *Cherax quadrincannatus* | | | | | | | | | . | . | 0 |
| *Procambarus clarkii* | | | | | | | | | | | 0 |
| *Fish and shellfish* | Q | *340* | *363* | *695* | *1 091* | *1 147* | *1 180 F* | *1 460 F* | *2 470 F* | *3 700 F* | *4 655* |
| *Poissons et fruits de mer* | V | *730* | *907* | *740* | *964* | *1 092* | *1 151 F* | *1 400 F* | *2 544 F* | *3 998 F* | *5 247* |
| *Peces y manscos* | | | | | | | | | | | |

## C-1 Production from aquaculture by country, by species
## Production de l'aquaculture par pays et par espèces
## Producción de acuicultura por países y especies

Q = mt
V = US$'000

| Country, species<br>Pays, espèce<br>País, especie | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Zimbabwe** | | | | | | | | | | | |
| *Oreochromis (=Tilapia) spp* | | 46 | 38 | 42 | 46 | 49 | 50 F | 50 F | 40 F | 40 F | 60 F |
| *Oncorhynchus mykiss* | | 86 | 93 | 98 | 98 | 103 | 100 | 110 | 90 | 90 | 100 |
| *Macrobrachium rosenbergii* | | 6 | 9 | 10 | 12 | 13 | 13 F | 15 F | 12 F | 10 F | 10 F |
| *Fish and shellfish* | Q | *138* | *140* | *150* | *156* | *165* | *163 F* | *175 F* | *142 F* | *140 F* | *170 F* |
| *Poissons et fruits de mer* | V | *654* | *650* | *704* | *732* | *747* | *680 F* | *745 F* | *605 F* | *585 F* | *670 F* |
| *Peces y mariscos* | | | | | | | | | | | |

## D - Aquaculture production by environment

## D - Production de l'aquaculture selon le type d'environnement

## D - Producción de acuicultura por tipo de ambiente

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Carps, barbels and other cyprinids**<br>**Carpes, barbeaux et autres cyprinidés**<br>**Carpas, barbos y otros ciprínidos** | | | | | | | | | | | |
| *Abramis brama* | I | ... | ... | ... | ... | ... | ... | ... | ... | - | 142 |
| *Aristichthys nobilis* | I | 376 668 | 493 797 | 607 292 | 642 341 | 717 586 | 643 099 | 671 460 | 694 128 | 790 707 | 919 253 |
| *Carassius auratus* | I | 5 | 17 | 5 | 52 | 211 | 268 | 206 | 40 | 549 | 764 |
| *Carassius carassius* | I | 58 995 | 75 967 | 93 291 | 108 915 | 121 803 | 209 090 | 215 579 | 222 465 | 257 198 | 294 518 |
| *Catla catla* | I | 129 000 | 142 000 | 155 000 | 181 000 | 207 000 | 233 000 | 234 003 | 289 928 | 301 556 | 307 964 |
| *Cirrhinus mrigala* | I | 88 003 | 97 081 | 106 101 | 123 109 | 141 224 | 158 217 | 158 857 | 187 787 | 295 266 | 301 548 |
| *Cirrhinus mulitorella* | I | 36 382 | 47 806 | 57 226 | 69 820 | 78 165 | 78 319 | 80 289 | 80 121 | 81 050 | 100 136 |
| *Ctenopharyngodon idellus* | I | 288 423 | 373 129 | 439 837 | 541 532 | 606 025 | 953 804 | 1 046 988 | 1 063 139 | 1 252 841 | 1 482 192 |
| *Cyprinidae* | B | ... | ... | ... | ... | ... | ... | 45 | 46 | 46 | 27 |
| | I | 209 854 | 236 703 | 251 393 | 283 218 | 316 773 | 353 723 | 352 532 | 424 668 | 413 608 | 422 606 |
| *Cyprinus carpio* | I | 580 224 | 649 490 | 802 431 | 1 014 846 | 1 093 541 | 982 273 | 1 108 075 | 1 176 484 | 1 099 569 | 1 240 551 |
| | M | 287 | 227 | 66 | 149 | 26 | 15 | 16 | 7 | - | - |
| *Hypophthalmichthys molitrix* | I | 1 069 663 | 1 079 491 | 1 275 315 | 1 429 336 | 1 598 163 | 1 445 155 | 1 495 358 | 1 462 221 | 1 626 087 | 1 889 021 |
| *Labeo rohita* | I | 135 779 | 149 840 | 163 552 | 189 327 | 216 318 | 242 869 | 243 428 | 293 207 | 308 993 | 317 676 |
| *Leptobarbus hoeveni* | I | 31 | 217 | 262 | 118 | 351 | 410 | 218 | 216 | 681 | 712 |
| *Megalobrama amblycephala* | I | ... | ... | ... | ... | ... | 1 | 1 | 0 | 0 | 0 |
| *Misgurnus anguillicaudatus* | I | 2 | 3 | 38 | 15 | 11 | 192 | 197 | 211 | 324 | 231 |
| *Mylopharyngodon piceus* | I | 36 200 | 47 600 | 61 100 | 104 600 | 117 100 | 38 545 | 37 852 | 36 090 | 52 287 | 66 588 |
| *Notemigonus crysoleucas* | I | 19 000 | 7 776 | 7 776 | 11 818 | 8 500 | 8 500 | 9 802 | 9 608 | 9 352 | 9 332 |
| *Osteochilus hasselti* | I | 10 278 | 9 590 | 16 210 | 16 397 | 10 648 | 15 000 | 14 428 | 9 717 | 10 397 | 11 500 |
| *Parabramis pekinensis* | I | 119 000 | 119 000 | 147 600 | 174 200 | 194 900 | 144 358 | 161 615 | 153 309 | 181 516 | 218 921 |
| *Probarbus jullieni* | I | 17 | 9 | 1 | 12 | 13 | 0 | 0 | 0 | 0 | 0 |
| *Puntius gonionotus* | I | 6 075 | 9 771 | 10 640 | 12 892 | 16 742 | 17 383 | 18 641 | 20 225 | 29 064 | 28 562 |
| *Puntius javanicus* | B | ... | ... | ... | ... | ... | ... | ... | ... | 32 | ... |
| | I | 20 355 | 23 120 | 22 877 | 20 092 | 20 800 | 21 000 | 28 048 | 19 867 | 21 113 | 22 500 |
| *Rutilus spp* | I | ... | 370 | 1 870 | 2 000 | 2 200 | 2 505 | 2 503 | 2 502 | 2 501 | 2 501 |
| *Tinca tinca* | I | 472 | 1 182 | 1 881 | 1 819 | 2 151 | 1 125 | 916 | 912 | 805 | 756 |
| **Total** | | **3 184 713** | **3 564 186** | **4 221 764** | **4 927 608** | **5 470 251** | **5 548 851** | **5 881 057** | **6 146 898** | **6 735 542** | **7 638 001** |
| **Tilapias and other cichlids**<br>**Tilapias et autres cichlidés**<br>**Tilapias y otros cíclidos** | | | | | | | | | | | |
| *Aequidens rivulatus* | I | ... | ... | ... | ... | ... | ... | 3 | 2 | 2 | 0 |
| *Astronotus spp* | I | ... | ... | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| *Cichlasoma maculicaudum* | I | ... | ... | ... | ... | ... | 6 | 6 | 9 | 16 | 18 |
| *Cichlasoma managuense* | I | 0 | 0 | 0 | 1 | 2 | 7 | 6 | 6 | 10 | 12 |
| *Cichlasoma spp* | I | ... | ... | ... | ... | ... | ... | ... | 11 | 332 | 355 |
| *Oreochromis (=Tilapia) spp* | B | 15 987 | 15 715 | 18 393 | 28 851 | 22 051 | 26 461 | 13 719 | 10 794 | 9 236 | 9 530 |
| | I | 64 180 | 81 714 | 79 506 | 87 991 | 104 078 | 87 428 | 92 608 | 81 327 | 98 407 | 104 656 |
| *Oreochromis andersonii* | I | 306 | 314 | 625 | 918 | 964 | 960 | 1 000 | 1 200 | 1 800 | 2 100 |
| *Oreochromis aureus* | B | ... | ... | ... | ... | ... | ... | 21 | 37 | 24 | 40 |
| | I | 14 046 | 14 681 | 14 950 | 15 282 | 13 271 | 15 747 | 18 666 | 16 571 | 16 966 | 11 588 |
| *Oreochromis macrochir* | I | ... | ... | ... | 25 | 25 | 23 | 60 | 200 | 230 | 350 |
| *Oreochromis mossambicus* | B | 15 567 | 16 430 | 849 | 13 273 | 16 317 | 13 393 | 19 894 | 22 799 | 25 983 | 27 115 |
| | I | 10 047 | 20 871 | 16 249 | 13 160 | 20 571 | 16 414 | 22 303 | 19 019 | 22 762 | 26 184 |
| *Oreochromis niloticus* | B | 10 000 | 20 010 | 20 025 | 20 030 | 20 033 | 20 009 | 29 411 | 25 047 | 21 886 | 21 312 |
| | I | 56 337 | 67 767 | 91 078 | 102 893 | 106 991 | 178 199 | 196 235 | 231 775 | 300 651 | 346 615 |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oreochromis spilurus* | B | ... | ... | 10 | 8 | 8 | 9 | 1 | 0 | 0 | 0 |
| *Tilapia rendalli* | I | 0 | 2 | 2 | 42 | 42 | 47 | 105 | 322 | 524 | 714 |
| *Tilapia zillii* | I | ... | ... | ... | 6 | 6 | 7 | 8 | 10 | 10 | 11 |
| **Total** | | **186 470** | **237 504** | **241 688** | **282 481** | **304 360** | **358 711** | **394 046** | **409 129** | **498 839** | **550 600** |
| **Miscellaneous freshwater fishes**<br>**Poissons d'eau douce divers**<br>**Peces de agua dulce diversos** | | | | | | | | | | | |
| *Anabas testudineus* | I | 930 | 35 925 | 36 835 | 37 224 | 37 291 | 39 014 | 39 405 | 35 740 | 51 149 | 50 828 |
| *Arapaima gigas* | I | ... | ... | 1 | 5 | 12 | 15 | 20 | 20 | 10 | 10 |
| *Bidyanus bidyanus* | I | ... | ... | ... | ... | ... | ... | 2 | 10 | 20 | 40 |
| *Brycon moorei* | I | 5 | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Channa (Ophicephalus) spp* | I | 65 | 200 | 128 | 200 | 300 | 658 | 360 | 1 125 | 1 100 | 1 600 |
| *Channa micropeltes* | I | 183 | 630 | 386 | 325 | 198 | 295 | 500 | 700 | 905 | 923 |
| *Channa striatus* | I | 5 089 | 7 617 | 6 177 | 3 427 | 4 174 | 3 864 | 3 805 | 5 560 | 4 714 | 4 809 |
| *Channa(=Ophicephalus) argus* | I | 124 | 261 | 275 | 287 | 256 | 350 | 446 | 446 | 500 | 518 |
| *Characidae* | I | ... | ... | 4 | ... | ... | ... | 10 | 10 | 10 | 10 |
| *Chrysichthys nigrodigitatus* | B | 121 | 187 | 334 | 310 | 265 | 263 | 448 | 1 163 | 822 | 833 |
| | I | 44 | ... | ... | ... | ... | ... | ... | ... | 720 | 700 |
| *Chrysichthys spp* | B | 0 | 0 | 0 | 0 | 58 | 60 | 60 | 50 | 50 | 60 |
| *Clanas anguillaris* | I | ... | ... | ... | ... | ... | 3 | 3 | 465 | 393 | 258 |
| *Clanas batrachus* | I | 40 | 124 | 94 | 115 | 370 | 319 | 439 | 434 | 1 198 | 1 067 |
| *Clanas fuscus* | I | 130 | 100 | 110 | 160 | 140 | 110 | 120 | 110 | 110 | 241 |
| *Clarias gariepinus* | I | 128 | 131 | 447 | 429 | 547 | 574 | 1 102 | 1 256 | 5 160 | 4 869 |
| *Clanas spp* | B | ... | ... | ... | ... | ... | ... | ... | ... | 20 | 0 |
| | I | 8 905 | 44 703 | 54 288 | 54 108 | 55 077 | 64 269 | 63 475 | 75 314 | 82 110 | 84 364 |
| *Colossoma bidens* | I | ... | ... | ... | ... | ... | ... | 77 | 77 | 20 | 20 |
| *Colossoma brachypomum* | I | 30 | 50 | 200 | 156 | 600 | 800 | 1 100 | 1 200 | 2 100 | 3 500 |
| *Colossoma macropomum* | I | 216 | 153 | 137 | 462 | 647 | 379 | 409 | 347 | 358 | 425 |
| *Dormitator latifrons* | B | ... | ... | ... | 25 | 25 | 25 | 25 | 35 | 597 | 2 170 |
| *Esox lucius* | I | 345 | 489 | 765 | 757 | 783 | 792 | 748 | 703 | 765 | 723 |
| *Fluta alba* | I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Gobiidae* | B | ... | ... | ... | ... | ... | 0 | 143 | 522 | 330 | ... |
| *Helostoma temmincki* | I | 4 493 | 3 500 | 4 988 | 5 420 | 5 500 | 5 500 | 5 639 | 4 980 | 4 979 | 5 000 |
| *Heterotis spp* | I | 747 | 381 | 109 | 121 | 127 | 130 | 292 | 335 | 303 | 301 |
| *Hoplostemum littorale* | I | ... | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Ichthyoelephas humeralis* | I | ... | ... | ... | ... | ... | 0 | 1 | 11 | 7 | 17 |
| *Ictalurus melas* | I | 1 500 | 1 500 | 1 500 | 1 500 | 1 500 | 1 800 | 1 600 | 1 800 | 1 766 | 1 750 |
| *Ictalurus punctatus* | I | 109 681 | 123 419 | 149 244 | 169 982 | 165 220 | 183 948 | 164 948 | 178 664 | 211 067 | 228 550 |
| *Ictiobus spp* | I | ... | ... | ... | ... | 34 | 22 | 13 | 4 | 7 | 7 |
| *Notopterus spp* | I | 31 | 26 | 33 | 21 | 7 | 2 | 0 | 0 | 8 | 8 |
| *Osphronemus goramy* | I | 3 179 | 3 240 | 4 085 | 4 601 | 4 728 | 5 466 | 4 026 | 3 848 | 4 698 | 4 921 |
| *Osteichthyes* | B | 11 146 | 11 011 | 24 648 | 15 514 | 15 081 | 17 237 | 23 498 | 18 652 | 26 223 | 31 053 |
| | I | 256 066 | 278 834 | 277 828 | 299 214 | 306 156 | 560 599 | 586 140 | 688 479 | 785 273 | 973 478 |
| *Oxyeleotris marmorata* | I | 281 | 817 | 836 | 167 | 621 | 503 | 969 | 769 | 154 | 77 |
| *Pangasius pangasius* | I | 8 174 | 13 786 | 12 574 | 11 833 | 20 410 | 13 539 | 13 340 | 14 518 | 14 183 | 14 908 |
| *Perca fluviatilis* | I | ... | ... | 50 | 0 | 0 | 0 | 0 | - | - | 39 |
| *Prochilodus reticulatus* | I | 20 | ... | 156 | 120 | 100 | 60 | 20 | 277 | 10 | 10 |
| *Rhamdia sapo* | I | ... | ... | ... | 3 | 4 | 3 | 3 | 3 | 5 | 2 |
| *Siluroidei* | I | 140 | 140 | 140 | 140 | 140 | 140 | 150 | 150 | 190 | 200 |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

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I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Silurus glanis* | I | 10 | 80 | 145 | 74 | 103 | 107 | 100 | 147 | 284 | 358 |
| *Stizostedion lucioperca* | I | 254 | 195 | 204 | 202 | 251 | 204 | 180 | 168 | 632 | 600 |
| *Synodontis spp* | I | ... | ... | ... | ... | ... | ... | ... | 612 | 80 | 100 |
| *Trichogaster pectoralis* | I | 13 067 | 18 001 | 17 651 | 16 215 | 16 901 | 15 196 | 15 264 | 15 339 | 15 718 | 16 018 |
| *Trichogaster spp* | I | 281 | 315 | 344 | 355 | 310 | 344 | 250 | 217 | 194 | 200 |
| **Total** | | **425 425** | **545 815** | **594 718** | **623 472** | **637 936** | **916 590** | **929 130** | **1 054 260** | **1 218 942** | **1 435 565** |
| **Sturgeons, paddlefishes**<br>**Esturgeons, spatules**<br>**Esturiones, sollos** | | | | | | | | | | | |
| *Acipenseridae* | B | ... | ... | ... | ... | ... | ... | ... | ... | 26 | - |
| | I | 150 | 150 | 180 | 165 | 205 | 285 | 358 | 410 | 411 | 525 |
| **Total** | | **150** | **150** | **180** | **165** | **205** | **285** | **358** | **410** | **437** | **525** |
| **River eels**<br>**Anguilles**<br>**Anguilas** | | | | | | | | | | | |
| *Anguilla anguilla* | B | 844 | 852 | 848 | 849 | 1 019 | 1 660 | 2 047 | 2 022 | 2 240 | 1 454 |
| | I | 1 921 | 2 217 | 3 606 | 4 339 | 5 099 | 4 200 | 4 745 | 5 172 | 4 395 | 4 846 |
| | M | 15 | 20 | 31 | 56 | 57 | 74 | 318 | 293 | 321 | 420 |
| *Anguilla japonica* | B | ... | ... | ... | ... | ... | ... | 647 | 2 933 | 67 | 284 |
| | I | 37 069 | 37 577 | 36 532 | 44 930 | 52 179 | 44 054 | 56 315 | 55 094 | 55 676 | 44 950 |
| *Anguilla rostrata* | I | ... | ... | ... | ... | 1 | 1 | 0 | 0 | 0 | 0 |
| *Anguilla spp* | B | ... | ... | 50 | 200 | 200 | 200 | 1 361 | 211 | 206 | 216 |
| | I | 38 035 | 39 578 | 36 528 | 37 018 | 39 588 | 39 714 | 38 905 | 39 318 | 36 386 | 33 965 |
| **Total** | | **77 884** | **80 244** | **77 595** | **87 392** | **98 143** | **89 903** | **104 338** | **105 043** | **99 291** | **86 135** |
| **Salmons, trouts, smelts**<br>**Saumons, truites, éperlans**<br>**Salmones, truchas, eperlanos** | | | | | | | | | | | |
| *Coregonus spp* | I | 6 500 | 6 500 | 6 607 | 7 071 | 5 967 | 5 181 | 3 456 | 3 508 | 633 | 492 |
| *Oncorhynchus keta* | M | ... | ... | 4 | 10 | 9 | 0 | 0 | 0 | - | - |
| *Oncorhynchus kisutch* | I | 54 | 204 | 204 | 215 | 811 | 1 020 | 512 | 33 | 20 | 30 |
| | M | 6 358 | 9 157 | 10 212 | 16 310 | 24 980 | 29 498 | 38 270 | 44 213 | 48 042 | 46 539 |
| *Oncorhynchus masou* | M | ... | ... | ... | ... | ... | ... | 29 | 105 | 68 | - |
| *Oncorhynchus mykiss* | B | 5 381 | 6 647 | 7 186 | 8 991 | 13 639 | 14 138 | 13 774 | 15 492 | 14 988 | 14 087 |
| | I | 169 860 | 169 365 | 181 290 | 199 237 | 206 075 | 219 083 | 239 749 | 246 102 | 258 579 | 269 488 |
| | M | 9 268 | 11 075 | 13 518 | 18 192 | 23 614 | 17 824 | 19 827 | 19 162 | 21 698 | 27 005 |
| *Oncorhynchus nerka* | I | ... | ... | ... | ... | 5 | 10 | 10 | 10 | 10 | 15 |
| | M | ... | ... | 1 | 0 | 2 | 0 | 0 | 0 | - | - |
| *Oncorhynchus spp* | I | ... | ... | ... | 325 | 0 | 0 | 0 | 0 | 0 | 0 |
| | M | ... | ... | 9 | 163 | 159 | 160 | - | - | - | - |
| *Oncorhynchus tshawytscha* | I | 25 | 50 | 165 | 240 | 150 | 150 | 200 | 330 | 200 | 200 |
| | M | 110 | 184 | 533 | 1 489 | 4 548 | 10 803 | 14 894 | 19 272 | 19 494 | 21 295 |
| *Plecoglossus altivelis* | I | 11 705 | 10 967 | 11 396 | 12 405 | 13 633 | 13 432 | 13 017 | 13 886 | 12 833 | 12 595 |
| *Salmo salar* | B | 93 | 92 | 103 | 64 | 357 | 1 821 | 1 907 | 2 793 | 3 232 | 3 511 |
| | I | ... | ... | ... | 9 | 1 | 0 | 0 | 353 | 350 | 350 |
| | M | 27 311 | 38 705 | 59 720 | 68 052 | 112 080 | 164 667 | 219 318 | 261 126 | 239 462 | 299 833 |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
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| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Salmo spp* | I | 6 828 | 7 280 | 8 316 | 9 093 | 11 098 | 12 298 | 13 395 | 13 781 | 15 911 | 15 004 |
| *Salmo trutta* | B | ... | ... | ... | ... | 9 | 0 | 0 | 0 | 1 | 0 |
| | I | 2 176 | 2 115 | 2 683 | 2 792 | 3 125 | 3 922 | 3 812 | 3 985 | 4 491 | 4 438 |
| | M | ... | ... | ... | 11 | 10 | 37 | 20 | 25 | 5 | 30 |
| *Salmonoidei* | I | 1 300 | 1 300 | 1 296 | 1 614 | 1 847 | 2 076 | 1 976 | 2 216 | 310 | 282 |
| | M | 10 | 10 | 13 | 20 | 97 | 97 | 666 | 1 817 | 870 | 929 |
| *Salvelinus alpinus* | I | ... | ... | ... | 3 | 10 | 10 | 69 | 232 | 381 | 400 |
| | M | ... | 2 | 2 | 1 | 7 | 40 | 161 | 150 | 150 | 200 |
| *Salvelinus fontinalis* | I | 0 | 0 | 352 | 352 | 354 | 354 | 504 | 255 | 306 | 361 |
| *Salvelinus namaycush* | I | - | - | - | - | - | - | - | 19 | 27 | 27 |
| *Salvelinus spp* | I | 1 | 5 | 22 | 27 | 77 | 98 | 90 | 85 | 73 | 114 |
| | M | - | - | - | - | - | - | - | 2 | 26 | 33 |
| **Total** | | **246 980** | **263 658** | **303 632** | **346 686** | **422 664** | **496 719** | **585 656** | **648 952** | **642 160** | **717 258** |
| **Miscellaneous diadromous fishes**<br>**Poissons diadromes divers**<br>**Peces diadromos diversos** | | | | | | | | | | | |
| *Chanos chanos* | B | 263 431 | 267 388 | 284 188 | 305 239 | 317 104 | 309 096 | 399 556 | 381 806 | 308 168 | 313 191 |
| | I | 90 333 | 44 491 | 26 577 | 27 159 | 28 696 | 24 368 | 34 534 | 34 676 | 35 153 | 41 324 |
| *Lates calcarifer* | B | 1 441 | 1 735 | 2 440 | 3 635 | 3 658 | 8 494 | 7 097 | 10 631 | 8 714 | 10 259 |
| | I | ... | ... | 2 | 1 | 6 | 2 156 | 3 253 | 3 931 | 4 734 | 8 987 |
| | M | 285 | 236 | 308 | 253 | 274 | 381 | 489 | 510 | 683 | 663 |
| **Total** | | **355 490** | **313 850** | **313 515** | **336 287** | **349 738** | **344 495** | **444 929** | **431 554** | **357 452** | **374 424** |
| **Flounders, halibuts, soles**<br>**Flets, flétans, soles**<br>**Platijas, halibuts, lenguados** | | | | | | | | | | | |
| *Paralichthys olivaceus* | M | 838 | 1 572 | 1 865 | 2 314 | 3 113 | 4 532 | 7 076 | 8 330 | 10 327 | 10 804 |
| *Pleuronectiformes* | M | 0 | 0 | 3 | 3 | 8 | 0 | 20 | 71 | - | - |
| *Psetta maxima maxima* | M | 5 | 53 | 50 | 67 | 112 | 289 | 656 | 930 | 1 733 | 1 811 |
| *Solea vulgaris* | B | - | - | - | - | - | - | 1 | 1 | 1 | 1 |
| | M | 35 | 42 | 47 | 43 | 45 | 12 | 10 | 12 | 14 | 13 |
| **Total** | | **878** | **1 667** | **1 965** | **2 427** | **3 278** | **4 833** | **7 763** | **9 344** | **12 075** | **12 629** |
| **Cods, hakes, haddocks**<br>**Morues, merlus, églefins**<br>**Bacalaos, merluzas, eglefinos** | | | | | | | | | | | |
| *Gadus morhua* | M | - | - | - | 5 | 215 | 69 | 30 | 40 | 28 | 28 |
| **Total** | | **-** | **-** | **-** | **5** | **215** | **69** | **30** | **40** | **28** | **28** |
| **Redfishes, basses, congers**<br>**Rascasses, perches de mer, congres**<br>**Gallinetas, lubinas, congrios** | | | | | | | | | | | |
| *Acanthopagrus macrocephalus* | B | ... | ... | ... | ... | ... | ... | 263 | 317 | 638 | 1 542 |
| | I | ... | ... | ... | ... | ... | ... | 52 | 24 | 140 | 1 500 |
| | M | 158 | 243 | 165 | 104 | 123 | 129 | 139 | 117 | 118 | 103 |
| *Canthennes(=Navodon)spp* | M | 31 | 53 | 41 | 68 | 49 | 45 | 67 | 177 | 99 | 92 |

**D-0**

**Aquaculture production by environment**
**Production de l'aquaculture selon le type d'environnement**
**Producción de acuicultura por tipo de ambiente**

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
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| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Dicentrarchus labrax* | B | 284 | 384 | 415 | 681 | 1 173 | 1 195 | 2 257 | 2 414 | 2 517 | 3 173 |
| | M | 36 | 99 | 434 | 415 | 419 | 799 | 1 378 | 3 299 | 6 138 | 8 990 |
| *Dicentrarchus spp* | M | ... | 20 | 100 | 55 | 75 | 251 | 262 | 877 | 1 191 | 674 |
| *Diplodus sargus sargus* | M | ... | ... | 1 | 25 | 30 | 1 | 1 | 100 | 100 | 100 |
| *Diplodus spp* | M | ... | ... | ... | ... | ... | ... | 90 | 90 | 136 | 52 |
| *Epinephelus akaara* | M | 130 | 135 | 210 | 401 | 164 | 150 | 166 | 38 | 10 | 30 |
| *Epinephelus areolatus* | M | ... | ... | ... | ... | ... | ... | ... | ... | ... | 512 |
| *Epinephelus spp* | B | 369 | 983 | 1 237 | 1 674 | 1 571 | 887 | 2 614 | 1 588 | 2 169 | 5 824 |
| | M | 114 | 94 | 129 | 129 | 130 | 264 | 303 | 293 | 371 | 272 |
| *Epinephelus tauvina* | M | 100 | 108 | 126 | 354 | 246 | 160 | 199 | 227 | 45 | 90 |
| *Evynnis japonica* | M | 127 | 73 | 346 | 300 | 133 | 505 | 94 | 52 | 117 | 122 |
| *Lutjanidae* | B | ... | ... | ... | ... | ... | ... | ... | 15 | 4 | 93 |
| *Lutjanus argentimaculatus* | M | ... | ... | ... | ... | ... | ... | ... | ... | ... | 572 |
| *Lutjanus spp* | B | 2 | 3 | 35 | 72 | 123 | 103 | 121 | 421 | 87 | 968 |
| | M | 16 | 30 | 41 | 35 | 49 | 69 | 61 | 290 | 860 | 770 |
| *Maccullochella peeli* | I | - | - | - | - | - | - | - | - | 11 | 10 |
| *Macquaria ambigua* | I | ... | ... | ... | ... | ... | ... | 10 | 60 | 11 | 12 |
| *Micropterus salmoides* | I | ... | ... | ... | ... | ... | ... | ... | ... | 9 | 7 |
| *Pagrus major* | B | ... | ... | ... | ... | ... | ... | 20 | 0 | 0 | 18 |
| | M | 26 364 | 28 655 | 33 893 | 38 179 | 45 241 | 45 725 | 51 945 | 60 510 | 66 067 | 72 896 |
| *Pagrus pagrus* | M | ... | ... | ... | ... | ... | ... | ... | ... | ... | 37 |
| *Plectropomus maculatus* | M | ... | ... | ... | ... | 11 | 18 | 32 | 45 | 67 | 70 |
| *Rhabdosargus sarba* | M | 200 | 202 | 336 | 754 | 1 529 | 950 | 830 | 1 207 | 1 253 | 963 |
| *Scatophagus spp* | B | ... | ... | ... | ... | ... | ... | ... | 11 | 7 | 2 |
| *Sciaenops ocellatus* | M | ... | ... | ... | 1 | 0 | 6 | 5 | 10 | 15 | 10 |
| *Serranidae* | B | ... | ... | ... | ... | ... | ... | 2 363 | 6 765 | 349 | 772 |
| *Siganus canaliculatus* | M | 7 | 7 | 9 | 4 | 7 | 2 | 10 | 3 | 2 | 3 |
| *Siganus spp* | B | ... | ... | ... | ... | 0 | 0 | 0 | 0 | 0 | 11 |
| *Sparidae* | B | ... | ... | 24 | 337 | 476 | 329 | 177 | 213 | 206 | 126 |
| | I | - | - | - | - | - | - | - | 5 | 50 | 289 |
| | M | - | - | - | - | - | 27 | 0 | 185 | 156 | 254 |
| *Sparus aurata* | B | 336 | 365 | 470 | 595 | 1 024 | 750 | 1 465 | 1 136 | 1 636 | 1 966 |
| | M | 42 | 192 | 275 | 378 | 754 | 2 087 | 2 970 | 5 219 | 7 988 | 9 664 |
| *Tetraodontidae* | M | 461 | 750 | 806 | 1 028 | 1 156 | 1 657 | 2 895 | 2 893 | 4 068 | 4 427 |
| **Total** | | **28 777** | **32 396** | **39 093** | **45 589** | **54 483** | **56 109** | **70 789** | **88 601** | **96 635** | **117 016** |
| **Jacks, mullets, sauries**<br>**Chinchards, mulets, balaous**<br>**Jureles, lisas, papardas** | | | | | | | | | | | |
| *Basilichthys bonariensis* | I | ... | ... | ... | ... | ... | 8 | 290 | 20 | - | - |
| *Caranx spp* | B | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| *Liza ramada* | B | ... | 5 | 10 | 7 | 55 | 10 | 2 | 8 | 20 | 63 |
| *Mugil cephalus* | B | 1 212 | 2 691 | 2 313 | 2 777 | 3 779 | 7 003 | 7 712 | 9 067 | 8 862 | 8 091 |
| | I | 1 969 | 1 923 | 1 714 | 2 430 | 2 394 | 2 121 | 1 819 | 1 905 | 1 821 | 2 590 |
| | M | ... | 23 | 0 | 9 | 0 | 0 | 0 | 0 | 960 | 1 152 |
| *Mugilidae* | B | 7 139 | 7 164 | 9 420 | 8 650 | 10 633 | 10 100 | 10 509 | 10 794 | 11 078 | 12 410 |
| | I | - | - | 1 | 1 | 3 | 1 | 2 | 6 | 26 | 16 |
| | M | 100 | 215 | 346 | 202 | 172 | 84 | 178 | 116 | 79 | 175 |
| *Pomatomus saltatrix* | B | ... | ... | ... | ... | ... | ... | ... | ... | 29 | |
| *Seriola dumerili* | M | ... | 13 | 9 | 20 | 13 | 17 | 21 | 31 | 31 | 30 |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Seriola quinqueradiata* | M | 152 821 | 152 312 | 148 788 | 160 285 | 167 186 | 154 733 | 161 568 | 161 970 | 148 988 | 141 799 |
| *Trachinotus blochii* | M | ... | ... | ... | ... | ... | ... | ... | ... | ... | 331 |
| *Trachurus japonicus* | M | 3 710 | 5 008 | 4 588 | 5 562 | 6 455 | 6 655 | 5 863 | 5 889 | 7 161 | 6 454 |
| *Trachurus spp* | M | 498 | 461 | 613 | 947 | 881 | 959 | 1 368 | 1 758 | 1 853 | 2 183 |
| **Total** | | **167 449** | **169 815** | **167 802** | **180 890** | **191 571** | **181 691** | **189 332** | **191 564** | **180 908** | **175 295** |
| **Herrings, sardines, anchovies**<br>**Harengs, sardines, anchois**<br>**Arenques, sardinas, anchoas** | | | | | | | | | | | |
| *Tarpon atlanticus* | B | ... | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | | **...** | **3** | **3** | **3** | **0** | **0** | **0** | **0** | **0** | **0** |
| **Tunas, bonitos, billfishes**<br>**Thons, pélamides, marlins**<br>**Atunes, bonitos, agujas** | | | | | | | | | | | |
| *Thunnus thynnus* | M | 50 | 38 | 60 | 99 | 47 | 237 | 358 | 16 | 123 | 555 |
| **Total** | | **50** | **38** | **60** | **99** | **47** | **237** | **358** | **16** | **123** | **555** |
| **Miscellaneous marine fishes**<br>**Poissons marins divers**<br>**Peces marinos diversos** | | | | | | | | | | | |
| *Osteichthyes* | B | 1 776 | 2 257 | 2 679 | 1 999 | 1 184 | 13 | 90 | 126 | 3 406 | 2 397 |
| | I | ... | ... | ... | ... | ... | 1 371 | 447 | 54 | 385 | 1 633 |
| | M | 10 753 | 15 559 | 21 390 | 31 961 | 36 412 | 37 631 | 39 856 | 54 192 | 64 888 | 76 407 |
| **Total** | | **12 529** | **17 816** | **24 069** | **33 960** | **37 596** | **39 015** | **40 393** | **54 372** | **68 679** | **80 437** |
| **Freshwater crustaceans**<br>**Crustacés d'eau douce**<br>**Crustáceos de agua dulce** | | | | | | | | | | | |
| *Astacus spp, Cambarus spp* | I | 25 | 29 | 36 | 25 | 17 | 9 | 19 | 23 | 28 | 41 |
| *Cherax destructor* | I | 0 | 1 | 1 | 3 | 9 | 31 | 63 | 87 | 114 | 149 |
| *Cherax quadricarinatus* | I | ... | ... | ... | ... | 7 | 166 | 32 | 33 | 40 | 41 |
| *Cherax tenuimanus* | I | 8 | 4 | 8 | 10 | 3 | 7 | 14 | 15 | 17 | 19 |
| *Crustacea* | B | 5 001 | 5 005 | 6 006 | 8 607 | 8 003 | 9 003 | 10 002 | 11 002 | 12 006 | 12 010 |
| | I | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| *Macrobrachium rosenbergii* | B | ... | ... | ... | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| | I | 5 657 | 4 448 | 7 198 | 15 507 | 18 722 | 17 634 | 20 991 | 26 672 | 22 906 | 23 157 |
| | M | | | | 1 | 5 | 10 | 20 | 31 | 22 | 20 |
| *Pacifastacus leniusculus* | I | ... | ... | ... | 2 | 5 | 10 | 15 | 10 | 7 | 3 |
| *Procambarus clarkii* | I | 27 000 | 29 545 | 44 318 | 46 282 | 32 620 | 32 690 | 34 705 | 29 894 | 30 991 | 27 957 |
| **Total** | | **37 691** | **39 032** | **57 567** | **70 438** | **59 392** | **59 561** | **65 861** | **67 767** | **66 132** | **63 398** |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sea-spiders, crabs**<br>**Araignées de mer, crabes**<br>**Centollas, cangrejos** | | | | | | | | | | | |
| *Enocheir sinensis* | I | ... | ... | ... | ... | ... | 3 305 | 4 833 | 8 433 | 9 509 | 17 641 |
| *Maja squinado* | M | ... | ... | ... | 52 | 26 | 8 | ... | .. | | |
| *Portunus spp* | B | 2 | 23 | 21 | 8 | 10 | 9 | 11 | 70 | - | - |
| *Reptantia* | B | 24 | 22 | 4 | ... | 8 | 35 | 24 | 42 | 229 | 72 |
| | I | ... | ... | ... | ... | ... | ... | ... | 18 | 2 | 2 |
| | M | 5 000 | 5 000 | 5 000 | 6 000 | 6 000 | 6 000 | 7 000 | 7 000 | 8 000 | 10 000 |
| *Scylla serrata* | B | 2 754 | 2 967 | 3 445 | 3 065 | 3 273 | 3 985 | 4 438 | 3 013 | 7 575 | 11 347 |
| | M | 256 | 214 | 212 | 331 | 257 | 206 | 163 | 197 | 287 | 418 |
| **Total** | | **8 036** | **8 226** | **8 682** | **9 456** | **9 574** | **13 548** | **16 469** | **18 773** | **25 602** | **39 480** |
| **Lobsters, spiny-rock lobsters**<br>**Homards, langoustes**<br>**Bogavantes, langostas** | | | | | | | | | | | |
| *Palinurus spp* | M | ... | ... | ... | 41 | 41 | 19 | ... | | | |
| *Panulirus longipes* | B | 3 | 6 | 2 | 5 | 25 | 6 | 40 | 51 | 21 | 11 |
| | M | 1 | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| *Panulirus spp* | M | 13 | 16 | 11 | 16 | 24 | 39 | 39 | 33 | 41 | 32 |
| **Total** | | **17** | **22** | **13** | **62** | **90** | **64** | **79** | **84** | **62** | **43** |
| **Shrimps, prawns**<br>**Crevettes**<br>**Gambas, camarones** | | | | | | | | | | | |
| *Acetes japonicus* | B | 104 | 100 | 929 | 3 014 | 2 500 | 1 900 | 1 389 | 3 735 | 104 | |
| *Metapenaeus endeavouri* | B | 448 | 896 | 620 | 670 | 682 | 864 | 5 619 | 4 249 | 1 640 | 9 490 |
| *Metapenaeus macleayi* | B | ... | 13 | 2 | 2 | 30 | 10 | 10 | 2 | 0 | 0 |
| *Metapenaeus spp* | B | 15 804 | 17 162 | 16 775 | 17 476 | 19 708 | 18 293 | 23 638 | 21 917 | 22 744 | 25 541 |
| | M | ... | ... | ... | ... | 2 | 2 | 3 | 3 | 3 | 3 |
| *Natantia* | B | 8 400 | 11 487 | 14 980 | 15 242 | 16 598 | 18 251 | 19 054 | 19 560 | 21 023 | 23 225 |
| | I | 51 | 66 | 107 | 172 | 437 | 42 | 37 | 52 | 296 | 1 941 |
| | M | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Palaemon serratus* | M | ... | ... | 40 | 40 | 12 | 15 | 160 | 60 | 60 | 50 |
| *Penaeidae* | M | ... | ... | ... | 345 | 502 | ... | ... | ... | .. | |
| *Penaeus chinensis* | B | 19 300 | 40 664 | 82 827 | 153 272 | 199 418 | 185 890 | 184 817 | 219 571 | 206 866 | 87 856 |
| | M | 75 | 39 | 82 | 113 | 102 | 234 | 257 | 465 | 562 | 272 |
| *Penaeus esculentus* | B | ... | ... | ... | ... | ... | ... | 7 | 0 | 0 | 0 |
| | M | ... | 1 | 1 | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus indicus* | B | ... | ... | ... | ... | ... | ... | ... | ... | ... | 115 |
| | M | 400 | 400 | 500 | 500 | 630 | 960 | 1 050 | 1 350 | 1 500 | 1 750 |
| *Penaeus japonicus* | B | 160 | 432 | 828 | 1 343 | 3 761 | 5 801 | 6 667 | 11 512 | 5 467 | 704 |
| | M | 2 055 | 2 211 | 2 501 | 2 973 | 3 154 | 2 958 | 2 750 | 2 565 | 2 277 | 1 787 |
| *Penaeus kerathurus* | B | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus merguiensis* | B | 20 605 | 24 968 | 27 172 | 28 709 | 29 941 | 30 353 | 26 194 | 26 749 | 27 434 | 30 671 |
| | M | 1 615 | 1 621 | 2 034 | 2 030 | 2 551 | 3 914 | 4 278 | 5 455 | 6 057 | 7 077 |
| *Penaeus monodon* | B | 52 532 | 55 726 | 89 373 | 147 822 | 159 156 | 208 209 | 233 972 | 310 904 | 367 379 | 415 781 |
| | I | ... | ... | ... | ... | ... | ... | 25 | 7 | 1 241 | 19 |
| | M | 6 000 | 6 000 | 7 511 | 7 534 | 9 603 | 14 844 | 15 871 | 21 107 | 22 807 | 27 328 |

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M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Penaeus penicillatus* | B | ... | ... | ... | ... | ... | 745 | 1 769 | 877 | 907 | 2 233 |
| *Penaeus plebejus* | B | ... | 1 | 3 | ... | ... | 0 | 0 | 0 | 0 | 0 |
| | M | ... | ... | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus semisulcatus* | M | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus setiferus* | M | 67 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Penaeus spp* | B | 12 173 | 15 023 | 19 942 | 25 487 | 29 028 | 33 831 | 36 984 | 42 364 | 48 239 | 57 853 |
| | M | 260 | 550 | 739 | 825 | 1 297 | 1 937 | 2 868 | 3 475 | 4 481 | 4 518 |
| *Penaeus stylirostris* | B | 601 | 1 293 | 1 351 | 1 419 | 664 | 644 | 490 | 393 | 495 | 444 |
| | M | ... | ... | ... | 7 300 | 7 450 | 7 200 | 7 640 | 11 189 | 12 246 | 9 295 |
| *Penaeus vannamei* | B | 34 456 | 31 946 | 32 873 | 67 860 | 70 897 | 68 474 | 72 337 | 98 618 | 105 807 | 80 772 |
| | M | 1 908 | 2 385 | 3 771 | 5 992 | 8 146 | 7 365 | 10 303 | 13 228 | 14 970 | 13 459 |
| *Xiphopenaeus kroyeri* | B | 3 | 15 | 53 | 36 | 40 | 45 | 45 | 50 | 45 | 45 |
| **Total** | | **177 019** | **213 027** | **305 020** | **490 183** | **566 321** | **612 781** | **658 234** | **819 457** | **874 650** | **802 229** |
| **Miscellaneous marine crustaceans**<br>**Crustacés marins divers**<br>**Crustáceos marinos diversos** | | | | | | | | | | | |
| *Artemia salina* | B | ... | ... | ... | ... | ... | ... | ... | 3 | 4 | 4 |
| | M | - | - | - | - | - | 1 | 0 | 0 | 0 | 0 |
| *Crustacea* | B | 11 000 | 11 000 | 11 000 | 12 000 | 12 000 | 12 500 | 12 500 | 13 000 | 13 000 | 13 000 |
| | M | 2 762 | 2 017 | 2 561 | 2 807 | 2 924 | 4 378 | 4 393 | 6 018 | 8 643 | 16 615 |
| **Total** | | **13 762** | **13 017** | **13 561** | **14 807** | **14 924** | **16 879** | **16 893** | **19 021** | **21 647** | **29 619** |
| **Freshwater molluscs**<br>**Mollusques d'eau douce**<br>**Moluscos de agua dulce** | | | | | | | | | | | |
| *Corbicula japonica* | I | 8 381 | 9 045 | 9 641 | 8 143 | 9 054 | 9 418 | 15 922 | 12 819 | 10 925 | 11 005 |
| *Mollusca* | I | 776 | 656 | 718 | 1 241 | 2 138 | 503 | 555 | 304 | 256 | 97 |
| **Total** | | **9 157** | **9 701** | **10 359** | **9 384** | **11 192** | **9 921** | **16 477** | **13 123** | **11 181** | **11 102** |
| **Abalones, winkles, conchs**<br>**Ormeaux, bigorneaux, strombes**<br>**Orejas de mar, bigaros, estrombos** | | | | | | | | | | | |
| *Haliotis rubra* | M | - | - | - | - | - | - | - | - | 0 | 0 |
| *Haliotis spp* | B | 144 | 253 | 502 | 1 072 | 1 157 | 833 | 884 | 1 169 | 1 200 | 821 |
| | M | 17 | 29 | 300 | ... | 56 | 82 | 240 | 125 | 155 | 230 |
| *Littonna spp* | M | ... | ... | ... | ... | ... | 800 | 800 | 1 003 | 807 | 800 |
| *Strombus spp* | M | ... | ... | ... | 381 | 110 | 20 | 15 | 12 | 7 | 6 |
| **Total** | | **161** | **282** | **802** | **1 453** | **1 323** | **1 735** | **1 939** | **2 309** | **2 169** | **1 857** |
| **Oysters**<br>**Huîtres**<br>**Ostras** | | | | | | | | | | | |
| *Crassostrea angulata* | B | ... | ... | ... | ... | 100 | 100 | 70 | 155 | 380 | 585 |
| | M | 4 166 | 4 659 | 5 919 | 5 243 | 5 211 | 9 589 | 10 664 | 13 149 | 13 134 | 15 000 |
| *Crassostrea commercialis* | M | 6 819 | 8 309 | 7 400 | 7 390 | 7 919 | 6 696 | 5 444 | 5 180 | 5 553 | 7 141 |

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| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Crassostrea gigas* | B | 119 | 137 | 150 | 202 | 230 | 215 | 157 | 125 | 125 | 130 |
| | M | 673 995 | 739 817 | 763 775 | 808 557 | 833 243 | 762 204 | 754 540 | 729 430 | 793 513 | 865 077 |
| *Crassostrea iredalei* | M | 14 617 | 15 261 | 16 465 | 10 361 | 12 445 | 12 819 | 13 485 | 12 154 | 15 103 | 18 290 |
| *Crassostrea rhizophorae* | B | ... | ... | ... | ... | ... | 1 | 1 | 1 | 1 | 1 |
| | M | 1 004 | 1 146 | 1 112 | 1 312 | 1 146 | 1 110 | 1 010 | 1 010 | 812 | 465 |
| *Crassostrea spp* | B | 36 | 30 | 26 | 25 | 30 | 30 | 30 | 25 | 25 | 20 |
| | M | 4 851 | 3 516 | 595 | 2 008 | 2 801 | 2 457 | 2 619 | 4 752 | 5 368 | 7 033 |
| *Crassostrea virginica* | B | 41 010 | 38 462 | 38 452 | 46 325 | 52 026 | 52 131 | 47 739 | 34 604 | 29 237 | 23 275 |
| | M | 105 089 | 98 040 | 91 568 | 83 205 | 81 073 | 79 229 | 34 277 | 70 432 | 84 904 | 76 204 |
| *Ostrea chilensis* | M | 120 | 274 | 254 | 164 | 185 | 290 | 192 | 432 | 195 | 684 |
| *Ostrea edulis* | B | 5 000 | 5 000 | 5 000 | 5 000 | 3 000 | 1 500 | - | 9 | 18 | 9 |
| | M | 5 911 | 5 087 | 5 875 | 5 860 | 5 752 | 5 369 | 5 665 | 4 321 | 5 490 | 5 485 |
| *Ostrea lurida* | M | 10 | 9 | 28 | 27 | 149 | 25 | 26 | 23 | 25 | 21 |
| *Ostrea spp* | M | - | - | - | - | - | - | - | - | 22 | 23 |
| *Saccostrea cucullata* | M | 1 | 8 | 8 | 8 | 8 | 10 | 9 | 8 | 10 | 8 |
| **Total** | | **862 748** | **919 755** | **936 627** | **975 687** | **1 005 318** | **933 775** | **875 928** | **875 810** | **953 915** | **1 019 451** |
| **Mussels**<br>**Moules**<br>**Mejillones** | | | | | | | | | | | |
| *Aulacomya ater* | M | ... | ... | ... | ... | 3 | 2 | 29 | 78 | 66 | 97 |
| *Choromytilus chorus* | M | 136 | 133 | 176 | 91 | 245 | 230 | 195 | 247 | 421 | 165 |
| *Modiolus spp* | M | 1 608 | 361 | 272 | 818 | 652 | 46 | 1 000 | 1 092 | 4 003 | 4 285 |
| *Mytilidae* | M | 136 587 | 128 877 | 210 670 | 312 686 | 429 680 | 470 523 | 495 902 | 498 185 | 539 245 | 510 226 |
| *Mytilus canaliculus* | M | 9 800 | 10 860 | 15 636 | 17 683 | 24 598 | 24 015 | 24 000 | 43 600 | 46 500 | 47 000 |
| *Mytilus chilensis* | M | 975 | 983 | 1 606 | 1 410 | 2 227 | 2 299 | 2 103 | 2 822 | 3 352 | 2 900 |
| *Mytilus crassitesta* | M | 26 041 | 48 239 | 34 557 | 26 064 | 15 693 | 7 925 | 9 759 | 9 495 | 9 689 | 55 183 |
| *Mytilus edulis* | M | 411 258 | 446 673 | 433 377 | 445 940 | 415 846 | 373 761 | 362 465 | 350 454 | 312 653 | 264 765 |
| *Mytilus galloprovincialis* | B | 31 005 | 34 016 | 35 859 | 36 054 | 46 423 | 42 143 | 44 621 | 38 322 | 42 498 | 40 467 |
| | M | 35 120 | 38 879 | 39 537 | 39 355 | 49 278 | 59 161 | 60 735 | 63 017 | 63 829 | 73 209 |
| *Mytilus planulatus* | M | 30 | 154 | 298 | 307 | 711 | 686 | 729 | 505 | 757 | 565 |
| *Mytilus smaragdinus* | M | 47 049 | 49 204 | 23 856 | 59 447 | 60 931 | 76 301 | 76 930 | 53 539 | 35 673 | 46 360 |
| *Mytilus viridis* | B | 629 | 604 | 709 | 1 000 | 1 367 | 1 550 | 1 582 | 1 563 | 1 493 | 1 182 |
| *Perna perna* | M | 160 | 358 | 50 | 50 | 50 | 55 | 60 | 68 | 50 | 70 |
| **Total** | | **700 398** | **759 341** | **796 603** | **940 905** | **1 047 704** | **1 058 697** | **1 080 110** | **1 062 987** | **1 060 229** | **1 046 474** |
| **Scallops, pectens**<br>**Coquilles St. Jacques**<br>**Vieiras** | | | | | | | | | | | |
| *Argopecten purpuratus* | M | 787 | 5 460 | 494 | 368 | 1 106 | 761 | 1 312 | 1 288 | 2 212 | 4 783 |
| *Chlamys opercularis* | M | ... | ... | 4 | 128 | 172 | 100 | 54 | 61 | 62 | 62 |
| *Pecten fumatus* | M | ... | ... | ... | ... | ... | ... | ... | 11 | 19 | 110 |
| *Pecten maximus* | M | ... | 150 | 175 | 149 | 128 | 130 | 133 | 158 | 392 | 576 |
| *Pecten novaezelandiae* | M | ... | ... | ... | ... | 65 | 50 | 50 | 100 | 120 | 100 |
| *Pecten yessoensis* | M | 77 801 | 116 861 | 163 601 | 196 109 | 303 984 | 309 820 | 339 169 | 377 685 | 546 222 | 969 933 |
| *Pectinidae* | M | ... | ... | ... | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| *Placopecten magellanicus* | M | ... | ... | ... | ... | ... | 20 | 10 | 12 | 8 | 14 |
| **Total** | | **78 588** | **122 471** | **164 274** | **196 757** | **305 458** | **310 881** | **340 728** | **379 315** | **549 035** | **975 578** |

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| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Clams, cockles, arkshells**<br>**Clams, coques, arches**<br>**Almejas, berberechos, arcas** | | | | | | | | | | | |
| *Anadara granosa* | M | 101 322 | 85 870 | 88 291 | 98 378 | 95 130 | 101 262 | 100 665 | 131 423 | 132 420 | 156 746 |
| *Arca spp* | M | 23 019 | 49 221 | 58 393 | 58 092 | 49 013 | 16 947 | 17 756 | 16 702 | 20 547 | 11 613 |
| *Bivalvia* | B | 54 | 177 | 379 | 555 | 481 | 532 | 107 | 102 | 102 | 700 |
| | I | ... | ... | ... | ... | 90 | - | - | - | - | - |
| | M | 952 | 766 | 2 134 | 3 009 | 4 286 | 3 124 | 2 111 | 2 223 | 2 354 | 3 127 |
| *Cardiidae* | M | ... | ... | ... | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| *Cardium edule* | M | ... | ... | ... | ... | ... | 1 302 | 1 497 | 1 638 | 1 639 | 1 704 |
| *Hipposus hipposus* | M | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Mactra glabrata* | M | ... | ... | 2 | 0 | 25 | 10 | 5 | 5 | 5 | 5 |
| *Mactra veneriformis* | M | 544 | 1 666 | 1 757 | 4 300 | 3 242 | 8 488 | 5 607 | 3 546 | 1 406 | 1 061 |
| *Mercenaria mercenaria* | B | 9 410 | 9 972 | 8 416 | 5 725 | 16 110 | 10 600 | 12 319 | 12 926 | 17 125 | 11 520 |
| | M | 9 647 | 8 511 | 10 708 | 9 741 | 7 003 | 10 702 | 12 859 | 10 041 | 12 099 | 14 774 |
| *Meretrix lusoria* | M | 91 | 161 | 350 | 264 | 418 | 102 | 133 | 246 | 192 | 145 |
| *Mya arenaria* | M | 45 | 184 | 192 | 87 | 64 | 1 | 1 | 33 | 34 | 38 |
| *Panopea abrupta* | M | 0 | ... | ... | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Protothaca staminea* | M | 275 | 243 | 270 | 452 | 365 | 191 | 170 | 161 | 145 | 115 |
| *Ruditapes decussatus* | B | ... | ... | ... | ... | ... | ... | 4 | 20 | 3 | 3 |
| | M | 4 295 | 5 106 | 8 093 | 7 876 | 11 015 | 11 164 | 6 580 | 7 169 | 7 004 | 6 635 |
| *Ruditapes philippinarum* | B | ... | ... | ... | ... | ... | 5 | 0 | 0 | 0 | 625 |
| | M | 43 759 | 51 015 | 123 044 | 112 538 | 118 896 | 154 975 | 174 779 | 203 135 | 328 339 | 443 314 |
| *Saxidomus giganteus* | M | 85 | 8 | 32 | 6 | 4 | 5 | 6 | 4 | 5 | 8 |
| *Solen spp* | M | 110 006 | 125 717 | 126 175 | 133 597 | 140 673 | 138 467 | 140 326 | 165 230 | 198 598 | 222 819 |
| *Tapes spp* | B | ... | 1 | 30 | 285 | 1 934 | 7 116 | 16 100 | 20 000 | 26 400 | 26 400 |
| | M | ... | ... | ... | ... | 5 | 10 | 15 | 7 | 10 | 20 |
| *Tridacna derasa* | M | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Tridacna gigas* | M | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Tridacna squamosa* | M | ... | ... | ... | ... | ... | ... | ... | ... | 0 | 0 |
| *Venendae* | M | ... | ... | ... | 2 | 2 | 2 | 2 | 3 | 3 | 2 |
| **Total** | | **303 504** | **338 618** | **428 266** | **434 909** | **448 757** | **465 007** | **491 043** | **574 614** | **748 430** | **901 374** |
| **Squids, cuttlefishes, octopuses**<br>**Encornets, seiches, poulpes**<br>**Calamares, jibias, pulpos** | | | | | | | | | | | |
| *Octopus spp* | M | ... | ... | ... | ... | ... | ... | 10 | 10 | 0 | 0 |
| *Sepia officinalis* | M | ... | ... | ... | ... | ... | ... | 17 | 10 | 0 | 0 |
| **Total** | | **...** | **...** | **...** | **...** | **...** | **...** | **27** | **20** | **0** | **0** |
| **Miscellaneous marine molluscs**<br>**Mollusques marins divers**<br>**Moluscos marinos diversos** | | | | | | | | | | | |
| *Mollusca* | B | ... | ... | ... | ... | ... | ... | 69 | 108 | 8 | 39 |
| | I | 119 | 115 | 114 | 88 | 158 | 38 | 34 | 27 | 38 | 42 |
| | M | 37 792 | 45 571 | 73 634 | 111 127 | 127 951 | 143 874 | 157 147 | 151 582 | 144 070 | 171 133 |
| **Total** | | **37 911** | **45 686** | **73 748** | **111 215** | **128 109** | **143 912** | **157 250** | **151 717** | **144 116** | **171 214** |

## D-0 Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Frogs and other amphibians**<br>**Grenouilles et autres amphibies**<br>**Ranas y otros anfibios** | | | | | | | | | | | |
| *Rana spp* | I | - | 4 | 15 | 20 | 5 | 333 | 139 | 206 | 915 | 2 236 |
| **Total** | | **-** | **4** | **15** | **20** | **5** | **333** | **139** | **206** | **915** | **2 236** |
| **Turtles**<br>**Tortues**<br>**Tortugas** | | | | | | | | | | | |
| *Chelonia mydas* | B | 30 | 29 | 30 | 30 | 30 | 38 | 30 | 30 | 20 | 10 |
| *Testudinata* | I | 688 | 680 | 730 | 779 | 795 | 841 | 870 | 806 | 882 | 1 116 |
| **Total** | | **718** | **709** | **760** | **809** | **825** | **879** | **900** | **836** | **902** | **1 126** |
| **Crocodiles and alligators**<br>**Crocodiles et alligators**<br>**Cocodrilos y aligatores** | | | | | | | | | | | |
| *Crocodylidae* | I | 0 | 10 | 1 | 10 | 38 | 62 | 60 | 70 | 61 | 65 |
| **Total** | | **0** | **10** | **1** | **10** | **38** | **62** | **60** | **70** | **61** | **65** |
| **Sea-squirts and other tunicates**<br>**Ascidiens et autres tuniciers**<br>**Ascidias y otros tunicados** | | | | | | | | | | | |
| *Ascidiacea* | M | 9 060 | 16 729 | 23 757 | 17 420 | 23 655 | 34 750 | 28 040 | 13 670 | 12 655 | 22 148 |
| *Pyura stolonifera* | M | ... | ... | ... | ... | 5 | 10 | 20 | 35 | 30 | 30 |
| **Total** | | **9 060** | **16 729** | **23 757** | **17 420** | **23 660** | **34 760** | **28 060** | **13 705** | **12 685** | **22 178** |
| **Miscellaneous aquatic invertebrates**<br>**Invertébrés aquatiques divers**<br>**Invertebrados acuáticos diversos** | | | | | | | | | | | |
| *Invertebrata* | B | ... | ... | ... | 98 | 364 | 279 | 223 | 522 | 430 | 560 |
| | I | 75 | 72 | 66 | 38 | 61 | 35 | 42 | 22 | 74 | 328 |
| | M | 11 500 | 10 506 | 5 591 | 9 089 | 8 866 | 12 453 | 11 536 | 9 974 | 6 905 | 8 420 |
| **Total** | | **11 575** | **10 578** | **5 657** | **9 225** | **9 291** | **12 767** | **11 801** | **10 518** | **7 409** | **9 308** |
| **Pearls, mother-of-pearl, shells**<br>**Perles, nacres, coquilles**<br>**Perlas, madreperlas, conchas** | | | | | | | | | | | |
| *Ex Pinctada spp* | I | 5 289 | 3 787 | 2 444 | 2 233 | 1 634 | 944 | 702 | 682 | 237 | 135 |
| | M | 70 160 | 67 855 | 74 954 | 74 595 | 79 330 | 78 340 | 80 044 | 78 146 | 79 807 | 85 516 |
| **Total** | | **75 449** | **71 642** | **77 398** | **76 828** | **80 964** | **79 284** | **80 746** | **78 828** | **80 044** | **85 651** |

D-0

## Aquaculture production by environment
## Production de l'aquaculture selon le type d'environnement
## Producción de acuicultura por tipo de ambiente

B = Brackishwater culture — Elevage en eau saumâtre — Cultivo en agua salobre
I = Freshwater culture — Elevage en eau douce — Cultivo en agua dulce
M = Mariculture — Mariculture — Maricultura

| Species, environment<br>Espèce, environnement<br>Especie, ambiente | | 1984<br>mt | 1985<br>mt | 1986<br>mt | 1987<br>mt | 1988<br>mt | 1989<br>mt | 1990<br>mt | 1991<br>mt | 1992<br>mt | 1993<br>mt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sponges<br>Eponges<br>Esponjas** | | | | | | | | | | | |
| *Spongidae* | M | ... | ... | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| **Total** | | **...** | **...** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **1** |
| **Brown seaweeds<br>Algues brunes<br>Algas pardas** | | | | | | | | | | | |
| *Laminaria japonica* | M | 2 024 649 | 2 038 423 | 1 734 210 | 1 582 962 | 1 669 798 | 1 814 478 | 1 638 217 | 2 291 517 | 3 147 258 | 3 788 108 |
| *Phaeophyceae* | M | 3 500 | 3 500 | 3 615 | 3 459 | 5 000 | 3 070 | 5 388 | 9 742 | 1 300 | 1 500 |
| *Undaria pinnatifida* | M | 494 774 | 468 811 | 532 055 | 416 003 | 402 196 | 396 807 | 389 807 | 373 558 | 491 734 | 469 763 |
| *Undaria spp* | M | ... | 6 | 0 | 6 | 10 | 43 | 6 | 53 | 52 | 50 |
| **Total** | | **2 522 923** | **2 510 740** | **2 269 880** | **2 002 430** | **2 077 004** | **2 214 398** | **2 033 418** | **2 674 870** | **3 640 344** | **4 259 421** |
| **Red seaweeds<br>Algues rouges<br>Algas rojas** | | | | | | | | | | | |
| *Eucheuma alvarezii* | M | 3 893 | 5 000 | 4 627 | 6 626 | 7 692 | 8 060 | 8 735 | 8 513 | 10 485 | 10 428 |
| *Eucheuma cottoni* | M | 122 537 | 157 385 | 145 632 | 189 922 | 220 509 | 231 082 | 250 411 | 244 053 | 300 575 | 327 719 |
| *Eucheuma spinosum* | M | 6 877 | 8 833 | 8 173 | 11 041 | 12 820 | 13 435 | 14 559 | 14 190 | 17 475 | 18 382 |
| *Eucheuma spp* | M | 0 | 160 | 1 674 | 542 | 512 | 1 045 | 1 726 | 5 269 | 5 448 | 5 383 |
| *Gelidium spp* | M | ... | ... | ... | ... | ... | 270 | 270 | 250 | 250 | 250 |
| *Gracilaria spp* | B | 10 031 | 9 972 | 9 206 | 5 427 | 6 558 | 8 647 | 10 551 | 9 239 | 16 034 | 12 924 |
| | M | 8 105 | 6 737 | 7 317 | 11 147 | 25 072 | 38 689 | 46 124 | 63 736 | 54 336 | 55 206 |
| *Porphyra tenera* | M | 636 534 | 556 389 | 634 155 | 500 489 | 653 566 | 638 428 | 540 322 | 666 188 | 708 350 | 794 463 |
| *Rhodophyceae* | M | 60 000 | 58 217 | 77 462 | 80 000 | 85 000 | 80 000 | 100 000 | 90 000 | 95 000 | 100 000 |
| **Total** | | **847 977** | **802 693** | **888 246** | **805 194** | **1 011 729** | **1 019 656** | **972 698** | **1 101 438** | **1 207 953** | **1 324 755** |
| **Green seaweeds and other algae<br>Algues vertes et autres algues<br>Algas verdes y otras algas** | | | | | | | | | | | |
| *Caulerpa spp* | M | 8 781 | 11 278 | 10 436 | 13 250 | 15 384 | 16 122 | 17 471 | 17 027 | 20 970 | 23 479 |
| *Monostroma nitidum* | M | 4 734 | 10 658 | 11 040 | 7 588 | 8 670 | 10 116 | 12 463 | 14 367 | 17 248 | 12 053 |
| **Total** | | **13 515** | **21 936** | **21 476** | **20 838** | **24 054** | **26 238** | **29 934** | **31 394** | **38 218** | **35 532** |
| **Miscellaneous aquatic plants<br>Plantes aquatiques diverses<br>Diversas plantas acuáticas** | | | | | | | | | | | |
| *Algae* | B | 5 | 0 | 2 | 52 | 18 | 0 | 1 | 2 | 0 | 0 |
| | I | 792 | 991 | 817 | 1 046 | 1 136 | 639 | 600 | 632 | 675 | 843 |
| | M | 61 312 | 97 903 | 220 335 | 194 584 | 236 889 | 154 944 | 240 666 | 318 005 | 468 868 | 634 765 |
| **Total** | | **62 109** | **98 894** | **221 154** | **195 682** | **238 043** | **155 583** | **241 267** | **318 639** | **469 543** | **635 608** |

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